CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS

(NOTES omitted)

INSTRUMENTS

G01 MEASURING; TESTING

(NOTES omitted)

G01N INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES (measuring or testing processes other than immunoassay, involving enzymes or microorganisms C12M, C12Q)

NOTES

- 1. In this subclass, the following terms are used with the meanings indicated:
 - · "investigating" means testing or determining;
 - "materials" includes solid, liquid or gaseous media, e.g. the atmosphere.
- 2. Attention is drawn to the Notes following the title of class G01.
- 3. Investigating the properties of materials, specially adapted for use in processes covered by subclass <u>B23K</u>, is classified in group <u>B23K 31/12</u>.

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Sampling; Preparing specimens for investigation	2001/1006 {Dispersed solids}
2001/002	• {Devices for supplying or distributing samples to an	2001/1012 {Suspensions}
	analysing apparatus}	2001/1018 {Gas suspensions; Fluidised beds}
2001/005	• • {Packages for mailing or similar transport of samples}	2001/1025 {Liquid suspensions; Slurries; Mud; Sludge}
2001/007	• • {Devices specially adapted for forensic samples,	2001/1031 {Sampling from special places}
2001/007	e.g. tamper-proofing, sample tracking}	2001/1037 {sampling from special places} 2001/1037 {from an enclosure (hazardous waste,
1/02	 Devices for withdrawing samples {(sampling of 	radioactive)}
	foundation soil <u>E02D 1/04</u> ; collecting or conveying	2001/1043 {from sewers}
	radioactive samples G01T 7/00, e.g. G01T 7/02,	2001/105 {from high-pressure reactors or lines}
	<u>G01T 7/08</u>)}	2001/1056 {Disposable (single-use) samplers}
2001/021	• • {Correlating sampling sites with geographical information, e.g. GPS}	2001/1062 {Sampling under constant temperature,
2001/022	• • {sampling for security purposes, e.g. contraband,	pressure, or the like}
2001/022	warfare agents}	2001/1068 {Cooling sample below melting point}
2001/024	• • • {passengers or luggage}	2001/1075 {Trapping evaporated liquids by cooling}
2001/025	• • {postal items}	2001/1081 {Storing samples under refrigeration}
2001/027	• • • {field kits / quick test kits}	2001/1087 {Categories of sampling}
2001/028	• • {Sampling from a surface, swabbing, vaporising}	2001/1093 {Composite sampling; Cumulative sampling}
1/04	in the solid state, e.g. by cutting	1/12 Dippers; Dredgers
2001/045	{Laser ablation; Microwave vaporisation}	1/125 {adapted for sampling molten metals}
1/06	providing a thin slice, e.g. microtome	1/14 Suction devices, e.g. pumps; Ejector devices
2001/061	{Blade details}	1/1409 {adapted for sampling molten metals}
2001/063	• • • • { with sawing action}	2001/1418 {Depression, aspiration}
2001/065	• • • {Drive details}	2001/1427 {Positive displacement, piston, peristaltic}
2001/066	• • • • {electric}	2001/1436 {Ejector}
2001/068	{Illumination means}	2001/1445 {Overpressure, pressurisation at sampling
1/08	involving an extracting tool, e.g. core bit	point}
2001/085	{Grabs}	2001/1454 {Positive displacement, piston}
1/10	• in the liquid or fluent state {(burettes, pipettes	2001/1463 {Injector; Air-lift}
	<u>B01L 3/02</u> ; sampling of ground water <u>E02D 1/06</u> ; metering by volume of fluids or fluent solid	2001/1472 {Devices not actuated by pressure difference}
	material <u>G01F 11/00</u> , <u>G01F 13/00</u>)}	2001/1481 {Archimedian screw; Auger}

2001/140	:11: ()	2001/2202		(
2001/149 {Capi				{with cooling means}
	sion for intake at several levels			{Details of probe structures}
	/2035} G01N 1/12, G01N 1/14 take			• {Filter arrangements}
precedence				• {Movable probes, e.g. swivelling, swinging}
	sion for splitting samples into			{Sampling soil gases or the like}
	G01N 1/12, G01N 1/14 take e; fraction-collection apparatus for	2001/2297		{Timing devices}
	graphy <u>B01D 15/08</u>)	1/24		Suction devices {(<u>G01N 1/22</u> - <u>G01N 1/2294</u>
				take precedence)}
	yor of containers successively filled}	2001/241		• {Bellows}
	g or falling materials	2001/242		• {Injectors or ejectors}
({GOIN 1/ precedence	/2035} G01N 1/12, G01N 1/14 take	2001/244		• • {using critical flow orifices}
•		2001/245		• {Fans}
2001/2007 {Flow c		2001/247		• {Syringes}
2001/2014 {Pneu				• {Evacuated containers}
2001/2021 {fallin		1/26		with provision for intake from several spaces
2001/2028 {Belts		1/28		paring specimens for investigation {including
	iating part of a fluid stream, e.g. by	1,20		sical details of (bio-)chemical methods covered
_	g-off or tapping}			where, e.g. G01N 33/50, C12Q}(mounting
	g a piston actuated by the pressure of			eimens on microscopic slides G02B 21/34;
	quid to be sampled}			ns for supporting the objects or the materials to
2001/205 {using				nalysed in electron microscopes <u>H01J 37/20</u> {;
2001/2057 {Sa	ample chamber in a valve/piston}			oratory gas handling apparatus <u>B01L 5/00</u> })
2001/2064 {using	g a by-pass loop}	1/2806		Means for preparing replicas of specimens, e.g.
2001/2071 {Rem	novable sample bottle}			or microscopal analysis}
2001/2078 {Pr	re-evacuated bottle}	1/2813		Producing thin layers of samples on a substrate,
2001/2085 {No	on-pre-evacuated septum closed			g. smearing, spinning-on (G01N 1/30 takes
	tles}			recedence)}
2001/2092 {Cross-o		2001/282	_	{with mapping; Identification of areas; Spatial
	is state {(specially adapted for			correlated pattern}
	aterial G01N 33/497; measuring	2001/2826		{Collecting by adsorption or absorption}
	A61B 5/087)}			{Collecting samples on a sticky, tacky,
	g separation of sample components			adhesive surface}
	npling}	2001/284		• {using local activation of adhesive, i.e. Laser
during san	*	2001/284		• {using local activation of adhesive, i.e. Laser Capture Microdissection}
during san 1/2205 { with file	lters}			Capture Microdissection}
during san 1/2205 { with fil 1/2208 { with in	lters} npactors}	2001/2846		Capture Microdissection} {Cytocentrifuge method}
during san 1/2205 { with fil 1/2208 { with in 1/2211 { with cy	lters} mpactors} yclones}	2001/2846 1/2853	{5	Capture Microdissection} {Cytocentrifuge method} Shadowing samples}
during san 1/2205 { with fil 1/2208 { with in 1/2211 { with cy 1/2214 { by sorp	Iters} inpactors} yclones} ption}	2001/2846	· · · {5	Capture Microdissection} {Cytocentrifuge method} Shadowing samples} Involving mechanical work, e.g. chopping,
during san 1/2205 { with fil 1/2208 { with in 1/2211 { with cy 1/2214 { by sorp 2001/2217 { using	Iters} npactors} yclones} ption} g a liquid}	2001/2846 1/2853	{5 {i	Capture Microdissection} {Cytocentrifuge method} Shadowing samples} Involving mechanical work, e.g. chopping, sintegrating, compacting, homogenising
during san 1/2205 { with fil 1/2208 { with in 1/2211 { with cy 1/2214 { by sorp 2001/2217 { using 2001/222 { Other fil	Iters} inpactors} yclones} ption} g a liquid} features}	2001/2846 1/2853	{5 {i di	Capture Microdissection} {Cytocentrifuge method} Shadowing samples} involving mechanical work, e.g. chopping, sintegrating, compacting, homogenising nicrotomes G01N 1/06; pulverising in general
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during san 1/2205 { with fil 1/2208 { with fil 1/2211 { with cy 1/2214 { by sorp 2001/2217 { using 2001/222 { Other fil 2001/2223 { aero 1/2226 { Sampling package, h 2001/2229 { Headsy liquid} 2001/2232 { using 2001/2232 { using 2001/2232 { using 2001/2233 { the gas 2001/2234 { purpos emission 2001/2244 { Exhaled § 1/2247 { Sampling 2001/2245 { isoking bulk gas 1/2252 { in a vel 2001/2255 { with 1/2258 { in a sta 2001/2264 { prev 2001/2264 { with di 2001/2267 { separat 2001/227 }	Iters } Inpactors Inpactors } Inpactors In	2001/2846 1/2853 1/286 2001/2866 2001/2873 2001/288 2001/2886 2001/2893 1/30 2001/302 2001/305 2001/307 1/31 1/312 2001/315 2001/317 1/32 1/34		Capture Microdissection} {Cytocentrifuge method} Shadowing samples} involving mechanical work, e.g. chopping, sintegrating, compacting, homogenising microtomes G01N 1/06; pulverising in general 02C; mixing in general B01F)} {Grinding or homogeneising} {Cutting or cleaving} • {Filter punches} • {Laser cutting, e.g. tissue catapult} Preparing calibration standards} taining; Impregnating {; Fixation; Dehydration; Iultistep processes for preparing samples of ssue, cell or nucleic acid material and the like or analysis} {Stain compositions} • {non-toxic, no Hg, no formaldehyde} Apparatus therefor • {for samples mounted on planar substrates} • {Basket-type carriers for tissues} • {spraying liquids onto surfaces} olishing; Etching urifying; Cleaning {(processes or apparatus or extracting or separating nucleic acids from iological samples C12N 15/1003)} mbedding or analogous mounting of samples {using continuous plastic film to mount
during san 1/2205 { with fil 1/2208 { with fil 1/2214 { with cy 1/2214 { by sorp 2001/2217 { using 2001/222 { Other fil 2001/2223 { aero 1/2226 { Sampling package, h 2001/2229 { Headsp liquid } 2001/2232 { using 2001/2232 { using 2001/2232 { using 2001/2232 { using 2001/2235 { over a 2001/2238 { the gas 2001/2241 { purpos emission 2001/2244 { Sampling 2001/225 { isokine bulk gas 1/2252 { in a vei 2001/2255 { with 1/2258 { in a sta 2001/2261 { prev 2001/2264 { with di 2001/2267 { separat 2001/227 { separat 1/2273 . { Atmosph 2001/2276 { Person 2001/2276	Iters } Inpactors Inpactors } Inpactors In	2001/2846 1/2853 1/286 2001/2866 2001/2873 2001/288 2001/2886 2001/2893 1/30 2001/305 2001/307 1/31 1/312 2001/315 2001/317 1/32 1/34		Capture Microdissection} {Cytocentrifuge method} Shadowing samples} involving mechanical work, e.g. chopping, sintegrating, compacting, homogenising microtomes G01N 1/06; pulverising in general 02C; mixing in general B01F)} {Grinding or homogeneising} {Cutting or cleaving} • {Filter punches} • {Laser cutting, e.g. tissue catapult} Preparing calibration standards} taining; Impregnating {; Fixation; Dehydration; Iultistep processes for preparing samples of ssue, cell or nucleic acid material and the like or analysis} {Stain compositions} • {some compositions} • {non-toxic, no Hg, no formaldehyde} Apparatus therefor • {for samples mounted on planar substrates} • {Basket-type carriers for tissues} • {spraying liquids onto surfaces} olishing; Etching urifying; Cleaning {(processes or apparatus or extracting or separating nucleic acids from fological samples C12N 15/1003)} mbedding or analogous mounting of samples

	• • {using resins, epoxy}	3/12	Pressure testing
2001/364 2001/366	{Moulds; Demoulding}	3/14	• • generated by dead weight, e.g. pendulum;
2001/368	{Mounting multiple samples in one block, e.g.		generated by springs tension (G01N 3/18 takes
	TMA [Tissue Microarrays]}		precedence)
1/38	Diluting, dispersing or mixing samples	3/16	• applied through gearing (G01N 3/18 takes
2001/381	• • • {by membrane diffusion; Permeation tubes}		precedence)
2001/382	{using pistons of different sections}	3/165	• • • {generated by rotation, i.e. centrifugal
2001/383	{collecting and diluting in a flow of liquid}		force (for testing structures or apparatus
2001/385	{diluting by adsorbing a fraction of the sample}		<u>G01M 99/004</u>)}
2001/386	{Other diluting or mixing processes}	3/18	• Performing tests at high or low temperatures
2001/387	• • • {mixing by blowing a gas, bubbling}	3/20	• by applying steady bending forces (G01N 3/26,
2001/388	{mixing the sample with a tracer}	2 /2 2	G01N 3/28 take precedence)
1/40	Concentrating samples	3/22	• by applying steady torsional forces (<u>G01N 3/26</u> ,
1/4005	• • • {by transferring a selected component through	2/24	G01N 3/28 take precedence)
	a membrane}	3/24	 by applying steady shearing forces (G01N 3/26, G01N 3/28 take precedence)
2001/4011	• • • {being a ion-exchange membrane}	3/26	 Investigating twisting or coiling properties
2001/4016	{being a selective membrane, e.g. dialysis or	3/28	 Investigating twisting of coming properties Investigating ductility, e.g. suitability of sheet metal
	osmosis}	3/20	for deep-drawing or spinning
1/4022	• • • {by thermal techniques; Phase changes}	3/30	 by applying a single impulsive force, e.g. by falling
2001/4027	• • • (evaporation leaving a concentrated sample)	3/30	weight
2001/4033	{sample concentrated on a cold spot, e.g.	3/303	generated only by free-falling weight
	condensation or distillation}	3/307	generated by a compressed or tensile-stressed
2001/4038	• • • {electric methods, e.g. electromigration,	0,00,	spring; generated by pneumatic or hydraulic
	electrophoresis, ionisation}		means
1/4044	• • • {by chemical techniques; Digestion; Chemical	3/31	generated by a rotating fly-wheel
1/405	decomposition}	3/313	generated by explosives
1/405	• • {by adsorption or absorption}	3/317	generated by electromagnetic means
1/4055	• • • {by solubility techniques}	3/32	 by applying repeated or pulsating forces
2001/4061	Solvent extraction	3/34	generated by mechanical means, e.g. hammer
2001/4066	{using difference of solubility between		blows
	liquid and gas, e.g. bubbling, scrubbing or sparging}	3/36	generated by pneumatic or hydraulic means
2001/4072		3/38	generated by electromagnetic means
2001/4072	between two parallel laminar flows of fluid}	3/40	 Investigating hardness or rebound hardness
1/4077	• • • {by other techniques involving separation of	3/405	• • {by determining the vibration frequency of a
1, 10, ,	suspended solids}		sensing element in contact with the specimen}
2001/4083	{sedimentation}	3/42	by performing impressions under a steady load by
2001/4088	{filtration}		indentors, e.g. sphere, pyramid (G01N 3/54 takes
2001/4004	{using ultrasound}		precedence)
2001/4094	• • • • using unasound	2/11	
2001/4094 1/42	Low-temperature sample treatment, e.g.	3/44	the indentors being put under a minor load and
			a subsequent major load, i.e. Rockwell system
	. Low-temperature sample treatment, e.g.	3/44 3/46	a subsequent major load, i.e. Rockwell systemthe indentors performing a scratching
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat 	3/46	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement
1/42	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials		 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress 	3/46	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes)
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials	3/46 3/48	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence)
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE 	3/46	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress 	3/46 3/48	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence)
1/42 1/44	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not 	3/46 3/48 3/50	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking
1/42 1/44 3/00	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. 	3/46 3/48 3/50	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body
1/42 1/44 3/00	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details 	3/46 3/48 3/50 3/52	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence)
1/42 1/44 3/00 3/02 3/04	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks 	3/46 3/48 3/50 3/52 3/54	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures
1/42 1/44 3/00	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording 	3/46 3/48 3/50 3/52 3/54 3/56	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion
1/42 1/44 3/00 3/02 3/04 3/06	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means 	3/46 3/48 3/50 3/52 3/54 3/56 3/562	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a
1/42 1/44 3/00 3/02 3/04	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means {with mechanical indicating or recording 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet
1/42 1/44 3/00 3/02 3/04 3/06 3/062	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means • {with mechanical indicating or recording means} 	3/46 3/48 3/50 3/52 3/54 3/56 3/565 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)}
1/42 1/44 3/00 3/02 3/04 3/06	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means { with mechanical indicating or recording means} { with hydraulic indicating or recording means} 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools;
1/42 1/44 3/00 3/02 3/04 3/06 3/062 3/064 3/066	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means {with mechanical indicating or recording means} {with hydraulic indicating or recording means} {with electrical indicating or recording means} 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools; Investigating the cutting ability of tools
1/42 1/44 3/00 3/02 3/04 3/06 3/062 3/064 3/066 3/068	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means { with mechanical indicating or recording means} { with hydraulic indicating or recording means} { with optical indicating or recording means} { with optical indicating or recording means} 	3/46 3/48 3/50 3/52 3/54 3/56 3/565 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools; Investigating the cutting ability of tools Investigating resistance of materials, e.g. refractory
1/42 1/44 3/00 3/02 3/04 3/06 3/062 3/064 3/066	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means {with mechanical indicating or recording means} {with hydraulic indicating or recording means} {with electrical indicating or recording means} 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools; Investigating the cutting ability of tools Investigating resistance of materials, e.g. refractory materials, to rapid heat changes {(thermal testing of
1/42 1/44 3/00 3/02 3/04 3/06 3/062 3/064 3/066 3/068	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means {with mechanical indicating or recording means} {with hydraulic indicating or recording means} {with optical indicating or recording means} {with optical indicating or recording means} by applying steady tensile or compressive forces 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {using radioactive tracers} {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools; Investigating the cutting ability of tools Investigating resistance of materials, e.g. refractory
1/42 1/44 3/00 3/02 3/04 3/06 3/062 3/064 3/066 3/068 3/08	 Low-temperature sample treatment, e.g. cryofixation Sample treatment involving radiation, e.g. heat Investigating strength properties of solid materials by application of mechanical stress NOTE This group covers the stressing of materials not only below but also beyond the elastic limit, e.g. until breaking occurs. Details Chucks Special adaptations of indicating or recording means well with mechanical indicating or recording means with hydraulic indicating or recording means with electrical indicating or recording means with optical indicating or recording means with optical indicating or recording means with optical indicating or recording means by applying steady tensile or compressive forces (G01N 3/28 takes precedence) 	3/46 3/48 3/50 3/52 3/54 3/56 3/562 3/565 3/567	 a subsequent major load, i.e. Rockwell system the indentors performing a scratching movement by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) Performing tests at high or low temperatures Investigating resistance to wear or abrasion {of granular or particulate material} {by submitting the specimen to the action of a fluid or of a fluidised material, e.g. cavitation, jet abrasion (G01N 3/565 takes precedence)} Investigating machinability by cutting tools; Investigating the cutting ability of tools Investigating resistance of materials, e.g. refractory materials, to rapid heat changes {(thermal testing of

3/62	Manufacturing, calibrating, or repairing devices	9/12	• • by observing the depth of immersion of the
	used in investigations covered by the preceding		bodies, e.g. hydrometers
	subgroups	9/14	the body being built into a container
5/00	Analysing materials by weighing, e.g. weighing	9/16	the body being pivoted
2,00	small particles separated from a gas or liquid (G01N 9/00 takes precedence {; weighing per se	9/18	Special adaptations for indicating, recording, or control
	$\frac{\text{(BOTN 9700})}{\text{(BOTG)}}$ takes precedence {, weighing per second of takes precedence }	9/20	by balancing the weight of the bodies
5/02	 by absorbing or adsorbing components of a material 	9/22	with continuous circulation of the fluid
5/02	and determining change of weight of the adsorbent,	9/24	• by observing the transmission of wave or particle
	e.g. determining moisture content {(absorption	0/26	radiation through the material
	bulbs <u>B01D 53/00</u>)}	9/26	by measuring pressure differences
5/025	• • {for determining moisture content}	2009/263	(for determining and density)
5/04	by removing a component, e.g. by evaporation, and	9/266 9/28	. {for determining gas density}. by measuring the blowing pressure of gas bubbles
5/045	weighing the remainder• {for determining moisture content}	9/20	escaping from nozzles at different depths in a
7/00	Analysing materials by measuring the pressure or	0/20	liquid
	volume of a gas or vapour	9/30	by using centrifugal effects
7/02	 by absorption, adsorption, or combustion of 	9/32	• by using flow properties of fluids, e.g. flow through tubes or apertures
	components and measurement of the change in	9/34	 by using elements moving through the fluid, e.g.
	pressure or volume of the remainder {(absorption	9/34	vane
	bulbs <u>B01D 53/00</u>)}	9/36	Analysing materials by measuring the density
7/04	by absorption or adsorption alone	<i>3,56</i>	or specific gravity, e.g. determining quantity of
7/06	by combustion alone		moisture (methods of measurement in general
7/08	 by combustion followed by absorption or adsorption of the combustion products 		<u>G01N 9/02</u> - <u>G01N 9/32</u>)
7/10	 by allowing diffusion of components through a 	11/00	Investigating flow properties of materials, e.g.
//10	porous wall and measuring a pressure or volume		viscosity, plasticity; Analysing materials by
	difference		determining flow properties
7/12	• • the diffusion being followed by combustion or	2011/0006	• {Calibrating, controlling or cleaning viscometers}
	catalytic oxidation	2011/0013	{Temperature compensation}
7/14	. by allowing the material to emit a gas or vapour,	2011/002	{Controlling sample temperature; Thermal
	e.g. water vapour, and measuring a pressure		cycling during measurement}
	or volume difference {(determining urea	2011/0026	• {Investigating specific flow properties of non-
5/1/	<u>G01N 33/48742</u>)}	2011/0022	Newtonian fluids}
7/16	by heating the material	2011/0033	• • {Yield stress; Residual stress at zero shear rate}
7/18	• by allowing the material to react	2011/004	{Stress relaxation time}
7/20	• • • the reaction being fermentation	2011/0046 2011/0053	{In situ measurement during mixing process} · {using ergometry; measuring power}
7/22	of dough	2011/0033	consumption}
9/00	Investigating density or specific gravity of	2011/006	• {Determining flow properties indirectly by
	materials; Analysing materials by determining		measuring other parameters of the system}
9/002	density or specific gravity• {using variation of the resonant frequency	2011/0066	• • {electrical properties}
9/002	of an element vibrating in contact with the	2011/0073	• • {acoustic properties}
	material submitted to analysis (G01N 9/34 takes	2011/008	• • {optical properties}
	precedence)}	2011/0086	{magnetic properties}
2009/004	{comparing frequencies of two elements}	2011/0093	• • {thermal properties}
2009/006	• • {vibrating tube, tuning fork}	11/02	 by measuring flow of the material
2009/008	• • {Schlatter vibrating vane type}	11/04	through a restricted passage, e.g. tube, aperture
9/02	. by measuring weight of a known volume	11/06	by timing the outflow of a known quantity
2009/022	• • {of solids}	11/08	by measuring pressure required to produce a
2009/024	• • • {the volume being determined directly, e.g. by size of container}	11/10	known flow by moving a body within the material
2009/026	• • • {the volume being determined by amount of	11/105	• • {by detecting the balance position of a float
2007/020	fluid displaced}		moving in a duct conveying the fluid under test}
2009/028	{a gas being used as displacement fluid}	11/12	• • by measuring rising or falling speed of the body;
9/04	• of fluids		by measuring penetration of wedged gauges
9/06	with continuous circulation through a pivotally	4 4 /4 4	(G01N 11/16 takes precedence)
	supported member	11/14	by using rotary bodies, e.g. vane (G01N 11/16 takes precedence)
9/08	• by measuring buoyant force of solid materials by	11/142	{Sample held between two members}
	weighing both in air and in a liquid	11/142	substantially perpendicular to axis of rotation,
9/10	• by observing bodies wholly or partially immersed in		e.g. parallel plate viscometer}
	fluid materials	2011/145	

2011/147	{Magnetic coupling}	2015/018 {Platelets}
11/16	by measuring damping effect upon oscillatory	2015/019 • {Biological contaminants; Fouling}
11/10	body	15/02 • Investigating particle size or size distribution
11/162	• • • {Oscillations being torsional, e.g. produced by	(by measuring osmotic pressure G01N 7/10;
11,102	rotating bodies}	investigating sedimentation of particle suspensions
11/165	{Sample held between two members	G01N 15/04; investigating individual particles
	substantially perpendicular to axis of	$\frac{\overline{\text{G01N 15/10}}}{\text{G01N 15/10}}$
	rotation, e.g. parallel plate viscometer}	15/0205 by optical means
11/167	• • • {Sample holder oscillates, e.g. rotating	15/0211 {Investigating a scatter or diffraction pattern}
	crucible}	2015/0216 {from fluctuations of diffraction pattern}
13/00	Investigating surface or boundary effects, e.g.	2015/0222 {from dynamic light scattering, e.g. photon
13/00	wetting power; Investigating diffusion effects;	correlation spectroscopy}
	Analysing materials by determining surface,	15/0227 using imaging; using holography
	boundary, or diffusion effects (scanning-probe	2015/0233 • • • • {using holography}
	techniques or apparatus G01Q)	2015/0238 • • • {Single particle scatter}
2013/003	• {Diffusion; diffusivity between liquids}	2015/0244 • • • {with cutting-out molecular scatter}
2013/006	• {Dissolution of tablets or the like}	2015/025 • • • {Methods for single or grouped particles}
13/02	Investigating surface tension of liquids	15/0255 • • {with mechanical, e.g. inertial, classification,
2013/0208	• • {by measuring contact angle}	and investigation of sorted collections (with
2013/0216	• • {by measuring skin friction or shear force}	centrifuges <u>G01N 15/042</u>)}
2013/0225	• • {of liquid metals or solder}	2015/0261 {using impactors}
2013/0233	• • {Langmuir troughs; thin-film balances}	15/0266 • • {with electrical classification}
2013/0241	• • {bubble, pendant drop, sessile drop methods}	15/0272 {with screening; with classification by filtering
2013/025	{Measuring foam stability}	(<u>B01D</u> takes precedence)}
2013/0258	• • • {Oscillating drop methods}	2015/0277 {Average size only}
2013/0266	• • • {Bubble methods}	2015/0283 {using control of suspension concentration}
2013/0275	• • {involving surface-active agents}	2015/0288 {Sorting the particles}
2013/0283	• • {methods of calculating surface tension}	2015/0294 • • {Particle shape}
2013/0291	• • {Wilhelmy plate}	• Electro-optical investigation of a plurality of
13/04	 Investigating osmotic effects 	particles, the analyser being characterised by the optical arrangement}
15/00	Investigating above stanistics of nontipless	2015/035 {the optical arrangement forming an integrated
15/00	Investigating characteristics of particles; Investigating permeability, pore-volume or	apparatus with the sample container
	surface-area of porous materials (identification of	15/04 • Investigating sedimentation of particle suspensions
	microorganisms C12Q)	15/042 • • {by centrifuging and investigating centrifugates
2015/0003	• {Determining electric mobility, velocity profile,	(centrifuges per se B04B)}
	average speed or velocity of a plurality of particles}	2015/045 {by optical analysis}
2015/0007	• {Investigating dispersion of gas}	2015/047 {by static multidetectors}
	• • {in liquids, e.g. bubbles}	15/05 in blood
	• • {in solids}	2015/055 {for hematocrite determination}
2015/0019	• {Means for transferring or separating particles prior	15/06 • Investigating concentration of particle suspensions
	to analysis, e.g. hoppers or particle conveyors}	(by weighing G01N 5/00; investigating
2015/0023	• {Investigating dispersion of liquids}	sedimentation of particle suspensions <u>G01N 15/04;</u>
2015/0026	• • {in gas, e.g. fog}	investigating individual particles <u>G01N 15/10</u>)
2015/003	• • {in liquids, e.g. emulsion}	NOTE
2015/0034	• • {in solids}	References listed below indicate CPC places
2015/0038	• {Investigating nanoparticles}	which could also be of interest when carrying out
2015/0042	• {Investigating dispersion of solids}	a search in respect of the subject matter covered
2015/0046		
	• • {in gas, e.g. smoke}	
2015/0049	(in gas, e.g. smoke)(of filaments in gas)	by the preceding group and its subgroups:
2015/0053	• • · { of filaments in gas }	 by the preceding group and its subgroups: Investigating or analysing materials; by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90;
2015/0053 2015/0057 2015/0061	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} 	 by the preceding group and its subgroups: Investigating or analysing materials; by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; by other radiations or by particles:
2015/0053 2015/0057 2015/0061	 {of filaments in gas}. {in liquids, e.g. trouble} {of filaments in liquids}	 by the preceding group and its subgroups: Investigating or analysing materials; by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201;
2015/0053 2015/0057 2015/0061 2015/0092	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22;
2015/0053 2015/0057 2015/0061 2015/0092	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g.
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26;
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle suspensions in blood G01N 15/05) 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26; • by measuring absorption of sonic or
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096 15/01	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle suspensions in blood G01N 15/05) . {with lysing, e.g. of erythrocytes} 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26; • by measuring absorption of sonic or ultrasonic vibrations: G01N 29/00, e.g.
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096 15/01 2015/011 2015/012	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle suspensions in blood G01N 15/05) . {with lysing, e.g. of erythrocytes} . {Red blood cells} 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26; • by measuring absorption of sonic or
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096 15/01 2015/011 2015/012 2015/014	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle suspensions in blood G01N 15/05) . {with lysing, e.g. of erythrocytes} . {Red blood cells} {Reticulocytes} 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26; • by measuring absorption of sonic or ultrasonic vibrations: G01N 29/00, e.g.
2015/0053 2015/0057 2015/0061 2015/0092 2015/0096 15/01 2015/011 2015/012	 {of filaments in gas} . {in liquids, e.g. trouble} {of filaments in liquids} . {in solids, e.g. petrography} . {Monitoring flocculation or agglomeration} . {Investigating consistence of powders, dustability, dustiness} . specially adapted for biological cells, e.g. blood cells (investigating sedimentation of particle suspensions in blood G01N 15/05) . {with lysing, e.g. of erythrocytes} . {Red blood cells} 	by the preceding group and its subgroups: • Investigating or analysing materials; • by the use of optical means: G01N 21/00, e.g. G01N 21/47, G01N 21/90; • by other radiations or by particles: G01N 23/00, e.g. G01N 23/02, G01N 23/201; • by measuring impedance: G01N 27/02, e.g. G01N 27/06, G01N 27/22; • by electrochemical means: G01N 27/00, e.g. G01N 27/26; • by measuring absorption of sonic or ultrasonic vibrations: G01N 29/00, e.g. G01N 29/02

15/0612	• • • {Optical scan of the deposits (G01N 15/0625	2015/1029 {Particle size}
	takes precedence)}	2015/103 • • {Particle shape}
15/0618	• • • {of the filter type (<u>G01N 15/0643</u> takes	15/1031 by measuring electrical or magnetic effects
	precedence)}	15/12 by observing changes in resistance or
15/0625	• • • {Optical scan of the deposits}	impedance across apertures when traversed by
15/0631	• • • • {Separation of liquids, e.g. by absorption,	individual particles, e.g. by using the Coulter
	wicking}	principle
15/0637	• • • {Moving support}	15/13 Details pertaining to apertures
15/0643	• • • { of the filter type }	15/131 {Details (<u>G01N 15/13</u> takes precedence)}
15/065	• • {using condensation nuclei counters}	15/132 {Circuits}
15/0656	• • {using electric, e.g. electrostatic methods or	2015/133 {Flow forming}
	magnetic methods (by investigating individual	15/134 {Devices using two or more apertures}
	particles <u>G01N 15/1031</u> , <u>G01N 15/12</u>)}	2015/135 {Electrodes}
2015/0662	• • {Comparing before/after passage through filter}	2015/136 {Scanning electrodes}
2015/0668	• • {Comparing properties of sample and carrier	2015/137 {Cleaning}
	fluid, e.g. oil in water}	2015/138 {Detecting blocking debris}
2015/0675	• • {Comparing suspension before/after dilution}	2015/139 {Measuring the ratio of AC/DC impedances}
2015/0681	• • {Purposely modifying particles, e.g. humidifying	15/14 . Optical investigation techniques, e.g. flow
	for growing}	cytometry
2015/0687	• • {in solutions, e.g. non volatile residue}	2015/1402 {Data analysis by thresholding or gating
15/075	by optical means	operations performed on the acquired signals or
15/08	 Investigating permeability, pore-volume, or surface 	stored data}
	area of porous materials	15/1404 Handling flow, e.g. hydrodynamic focusing
15/0806	• • {Details, e.g. sample holders, mounting samples	2015/1406 {Control of droplet point}
	for testing}	15/1409 Handling samples, e.g. injecting samples
2015/0813	• • {Measuring intrusion, e.g. of mercury}	2015/1411 {Features of sheath fluids}
15/082	• • {Investigating permeability by forcing a fluid	2015/1413 {Hydrodynamic focussing}
	through a sample}	2015/1415 {Control of particle position}
15/0826	• • • {and measuring fluid flow rate, i.e. permeation	2015/1418 {Eliminating clogging of debris}
	rate or pressure change}	2015/142 {Acoustic or ultrasonic focussing}
2015/0833	• • {Pore surface area}	2015/1422 {Electrical focussing}
2015/084	{Testing filters}	15/1425 {using an analyser being characterised by its
2015/0846	• • {by use of radiation, e.g. transmitted or reflected	control arrangement}
	light}	15/1427 { with the synchronisation of components,
	• • {by electrical capacitance measurement}	a time gate for operation of components, or
	• • {of films, membranes or pellicules}	suppression of particle coincidences}
	{Sorption}	15/1429 Signal processing
2015/0873	{Dynamic sorption, e.g. with flow control	15/1431 {the electronics being integrated with the
1.5/000	means}	analyser, e.g. hand-held devices for on-site
15/088	• • {Investigating volume, surface area, size or	investigation}
15/0006	distribution of pores; Porosimetry}	15/1433 using image recognition
15/0886	• • • {Mercury porosimetry}	15/1434 Optical arrangements
15/0893	• • • {by measuring weight or volume of sorbed	15/1436 • • • • { the optical arrangement forming an
15/10	fluid, e.g. B.E.T. method}	integrated apparatus with the sample
15/10	Investigating individual particles	container, e.g. a flow cell}
2015/1006	(Calibratian partials analyses Peferson	2015/1438 {Using two lasers in succession}
15/1012	{Calibrating particle analysers; References	2015/144 {Imaging characterised by its optical setup}
2015/1014	therefor}	2015/1443 {Auxiliary imaging}
	{Constitution of reference particles}	2015/1445 {Three-dimensional imaging, imaging in
2015/1016	• • • {Particle flow simulating, e.g. liquid crystal	different image planes, e.g. under different
2015/1010	cell}	angles or at different depths, e.g. by a
2015/1019	• • {Associating Coulter-counter and optical flow	relative motion of sample and detector, for
2015/1021	cytometer [OFC]}	instance by tomography}
	{Measuring mass of individual particles}	2015/1447 {Spatial selection}
2015/1022	{Measurement of deformation of individual particles by non-optical means}	2015/145 {by pattern of light, e.g. fringe pattern}
15/1023	Microstructural devices for non-optical	2015/1452 {Adjustment of focus; Alignment}
13/1023	measurement	2015/1454 {using phase shift or interference, e.g. for
2015/1024	{Counting particles by non-optical means}	improving contrast}
	Recognising analyser failures, e.g. bubbles;	15/1456 {without spatial resolution of the texture or inner structure of the particle a g processing of
2013/1020	Quality control for particle analysers	inner structure of the particle, e.g. processing of pulse signals}
2015/1027	Determining speed or velocity of a particle	15/1459 { the analysis being performed on a sample
2013/102/	(Determining speed of velocity of a particle)	15/1757 • • • • the analysis being performed on a sample
2015/1028	• • {Sorting particles}	stream}

2015/1461	{Coincidence detecting; Circuits therefor}	17/046	• • • {Means for supporting or introducing coupons}
15/1468	• • { with spatial resolution of the texture or inner	19/00	Investigating materials by mechanical methods
	structure of the particle}	17/00	(G01N 3/00 - G01N 17/00 take precedence)
	<u>NOTE</u>	19/02	. Measuring coefficient of friction between materials
	{ References listed below indicate CPC		{(testing of tyres <u>G01M 17/02</u> ; determinations
	places which could also be of interest when		of friction coefficient used in vehicle braking or traction control systems <u>B60T 8/172</u>)}
	carrying out a search in respect of the subject matter covered by the preceding	19/04	• Measuring adhesive force between materials, e.g. of
	group:		sealing tape, of coating
	 counting objects disposed at random 	19/06	• Investigating by removing material, e.g. spark-
	with size distinction G06M 11/04 extraction of features from image for 	19/08	testingDetecting presence of flaws or irregularities
	pattern recognition G06V 10/40	19/08	Measuring moisture content, e.g. by measuring
	 specific image analysis method for 		change in length of hygroscopic filament;
	the recognition of microscopic objects		Hygrometers
	G06V 20/69image enhancement G06T 5/00	21/00	Investigating or analysing materials by the
	• image analysis G06T 7/00}		use of optical means, i.e. using sub-millimetre
15/147	• • • • {the analysis being performed on a sample		waves, infrared, visible or ultraviolet light (G01N 3/00 - G01N 19/00 take precedence)
	stream}		NOTE
	• • • {with colour}		
	{Multiparameters}		This group <u>does not cover</u> the investigation of spectral properties of light <u>per se</u> , or measurements
2015/1479 2015/1481	 {Using diffuse illumination or excitation} {Optical analysis of particles within		of the properties of materials where spectral
2013/1101	droplets (sorting particles within droplets		properties of light are sensed and primary
	G01N 15/1492)}		emphasis is placed on creating, detecting or analysing the spectrum providing that the
	WARNING		properties of the materials to be investigated are of
	Group G01N 2015/1481 is impacted by reclassification into group G01N 15/1492.		minor importance. Those subjects are covered by group $\frac{\text{G01J }3/00}{\text{G01J }3/00}$.
	Groups G01N 2015/1481 and	21/01	
	G01N 15/1492 should be considered in	21/01	 Arrangements or apparatus for facilitating the optical investigation
	order to perform a complete search.	2021/0106	{General arrangement of respective parts}
15/1484	• • • {microstructural devices}	2021/0112	• • • {Apparatus in one mechanical, optical or
2015/1486	• • {Counting the particles}	2021/0110	electronic block}
2015/1488	• • • {Methods for deciding}		 {Apparatus with remote processing} {with stored program or instructions}
15/149	• • specially adapted for sorting particles, e.g. by		{being externally stored}
15/1492	their size or optical properties within droplets		• • • {with PC or the like}
13/14/2	WARNING		• • • • {with internal and external computer}
		2021/015	• {Apparatus with interchangeable optical heads or interchangeable block of optics and
	Group G01N 15/1492 is incomplete pending reclassification of documents		detector}
	from group <u>G01N 2015/1481</u> .	2021/0156	• • • { with optics only in separate head, e.g.
	Groups G01N 2015/1481 and	2021/01/2	connection by optical fibres}
	G01N 15/1492 should be considered in	2021/0162	• • {using microprocessors for control of a sequence of operations, e.g. test, powering, switching,
	order to perform a complete search.		processing }
	• • • {Particle size}	2021/0168	• • • {for the measurement cycle}
	{Deformation of particles}		• • { for selecting operating means }
	· · · {Particle shape}	2021/0181	{Memory or computer-assisted visual determination}
17/00	Investigating resistance of materials to the	2021/0187	. {Mechanical sequence of operations}
17/002	weather, to corrosion, or to light . {Test chambers}	2021/0193	• • {the sample being taken from a stream or flow to
17/004	• {to light}	01/02	the measurement cell}
17/006	• {of metals}	21/03 21/0303	Cuvette constructionsQptical path conditioning in cuvettes,
17/008	• {Monitoring fouling}	41/0303	e.g. windows; adapted optical elements
17/02	 Electrochemical measuring systems for weathering, corrosion or corrosion-protection measurement 		or systems; path modifying or adjustment
17/04	Corrosion probes	2021/0207	(G01N 21/031 - G01N 21/15 take precedence)
17/043	{Coupons}	2021/0307	 {Insert part in cell} {Multipass arrangements}
			{Double pass, autocollimated path}

21/0317	{High pressure cuvettes; (G01N 21/0332 - G01N 21/15 take	21/1702 • • { with opto-acoustic detection, e.g. for gases or analysing solids}
	precedence)}	2021/1704 {in gases}
2021/0321	• • {One time use cells, e.g. integrally moulded}	2021/1706 {in solids}
2021/0325	• • {Cells for testing reactions, e.g. containing	2021/1708 { with piezotransducers (probes for
	reagents}	investigating or analysing materials by the
2021/0328	{Arrangement of two or more cells having different functions for the measurement of	use of ultrasonic, sonic or infrasonic waves <u>G01N 29/24</u>)}
	reactions}	21/171 • • { with calorimetric detection, e.g. with thermal
21/0332	• • { with temperature control (control of	lens detection}
	temperature <u>G05D 23/00</u> ; cryostats	2021/1712 • • • {Thermal lens, mirage effect}
	<u>F17C 3/08</u>)}	2021/1714 • • • {Photothermal radiometry with measurement of
	• • • {Refrigeration of cells; Cold stages}	emission}
	• • {Holders for solids, powders}	21/1717 • • { with a modulation of one or more physical
	• • • {Solid sample being immersed, e.g. equiindex fluid}	properties of the sample during the optical investigation, e.g. electro-reflectance}
	• • • {Capillary cells; Microcells}	2021/1719 • • • {Carrier modulation in semiconductors}
2021/035	• • • {Supports for sample drops}	2021/1721 • • • {Electromodulation}
2021/0353	• • • • {Conveyor of successive sample drops}	2021/1723 • • • {Fluid modulation}
2021/0357	• • {Sets of cuvettes}	2021/1725 {Modulation of properties by light, e.g.
2021/036	• • {transformable, modifiable}	photoreflectance}
	• • {flexible, compressible}	2021/1727 {Magnetomodulation}
	• • {Supports of cells, e.g. pivotable}	2021/1729 {Piezomodulation}
	• • • {Supports combined with sample intake}	2021/1731 {Temperature modulation}
	{Slidable cells}	2021/1734 {Sequential different kinds of measurements;
	{Shapes}	Combining two or more methods}
	• • • (Shapes) • • • • {Frustoconical, tapered cell}	2021/1736 • • • { with two or more light sources}
	{Diffusing membrane; Semipermeable	2021/1738 {Optionally different kinds of measurements;
	membrane}	Method being valid for different kinds of measurement}
	{Windows}	,
	{Nonplanar windows}	2021/174 • • • {either absorption-reflection or emission-fluorescence}
2021/0396	{Oblique incidence}	
21/05	• • Flow-through cuvettes (G01N 21/09 takes	2021/1742 • • {either absorption or reflection}
	precedence; handling fluid samples <u>G01N 1/10</u>)	2021/1744 • • {either absorption or scatter}
2021/052	• • • {Tubular type; cavity type; multireflective}	2021/1746 {Method using tracers}
2021/054	• • • {Bubble trap; Debubbling}	2021/1748 • • {Comparative step being essential in the method}
2021/056	• • • {Laminated construction}	2021/1751 {Constructive features therefore, e.g. using two
2021/058	• • • {Flat flow cell}	measurement cells}
21/07	• • Centrifugal type cuvettes (G01N 21/09 takes	2021/1753 {and using two light sources}
	precedence)	2021/1755 { and using two apparatus or two probes}
21/09	• • adapted to resist hostile environments or	2021/1757 {Time modulation of light being essential to the
	corrosive or abrasive materials	method of light modification, e.g. using single
21/11	• • Filling or emptying of cuvettes	detector (circuits for photometry with modulation,
2021/115	• • {Washing; Purging}	using one detector <u>G01J 1/44</u>)}
21/13	Moving of cuvettes or solid samples to or from	2021/1759 • • { Jittering, dithering, optical path modulation}
	the investigating station {(handling materials for	2021/1761 • • { A physical transformation being implied in the method, e.g. a phase change}
	automatic analysis <u>G01N 35/00</u>)}	
2021/135	• • • {Sample holder displaceable (in automatised	2021/1763 {Gas to liquid phase change}
	apparatus <u>G01N 35/02</u>)}	2021/1765 • • {Method using an image detector and processing
21/15	• • Preventing contamination of the components of	of image signal}
	the optical system or obstruction of the light path	2021/1768 {using photographic film}
2021/151	• • {Gas blown}	2021/177 {Detector of the video camera type}
2021/152	• • • {Scraping; Brushing; Moving band}	2021/1772 {Array detector}
2021/154	• • • {Ultrasonic cleaning}	2021/1774 {Line array detector}
2021/155	• • • {Monitoring cleanness of window, lens, or	2021/1776 {Colour camera}
	other parts}	2021/1778 {IIT [intensified image tube]}
2021/157	• • • {Monitoring by optical means}	2021/178 {Methods for obtaining spatial resolution of the
2021/158	• • {Eliminating condensation}	property being measured}
21/17	Systems in which incident light is modified in	2021/1782 {In-depth resolution}
	accordance with the properties of the material	2021/1785 {Three dimensional}
	investigated (where the material investigated is	2021/1787 {Tomographic, i.e. computerised
	optically excited causing a change in wavelength of	reconstruction from projective
	the incident light G01N 21/63)	measurements}

2021/1790	(77)	2021/2125
	• • {Time resolved}	2021/3125 {Measuring the absorption by excited
	• • {stroboscopic; pulse gated; time range gated}	molecules}
	• • {Remote sensing}	2021/3129 {Determining multicomponents by
	{Atmospheric mapping of gases}	multiwavelength light}
2021/1797	• • • {in landscape, e.g. crops}	2021/3133 {with selection of wavelengths before the
21/19	Dichroism	sample}
21/21	• Polarisation-affecting properties (G01N 21/19	2021/3137 {with selection of wavelengths after the
	takes precedence)	sample}
21/211	• • • {Ellipsometry (optical thickness measurement	21/314 { with comparison of measurements at specific and non-specific wavelengths (dual
	<u>G01B 11/06</u>)}	wavelength spectrometry G01J 3/427)}
2021/212	• • • • {Arrangement with total internal reflection}	
2021/213	• • • • {Spectrometric ellipsometry}	2021/3144 {for oxymetry}
2021/214	• • • {Variangle incidence arrangement}	2021/3148 {using three or more wavelengths}
2021/215	• • • • {Brewster incidence arrangement}	21/3151 {using two sources of radiation of different wavelengths (G01N 21/33 - G01N 21/39
2021/216	• • • {using circular polarised light}	take precedence)}
2021/217	• • • {Measuring depolarisation or comparing	2021/3155 {Measuring in two spectral ranges, e.g.
	polarised and depolarised parts of light}	UV and visible
2021/218	• • • {Measuring properties of electrooptical or	2021/3159 {Special features of multiplexing circuits}
	magnetooptical media}	2021/3162 {special reatures of multiplexing circuits}
21/23	Bi-refringence	•
21/25	Colour; Spectral properties, i.e. comparison of	,
	effect of material on the light at two or more	2021/317 {Special constructive features}
	different wavelengths or wavelength bands	2021/3174 {Filter wheel}
21/251	• • • {Colorimeters; Construction thereof}	2021/3177 {Use of spatially separated filters in
21/253	• • • • {for batch operation, i.e. multisample	simultaneous way}
	apparatus (analytical automats <u>G01N 35/00</u>)}	2021/3181 {using LEDs}
21/255	• • • {Details, e.g. use of specially adapted sources,	2021/3185 {typically monochromatic or band-limited}
	lighting or optical systems}	2021/3188 {band-limited}
21/256	• • • {Arrangements using two alternating lights and	2021/3192 {Absorption edge variation is measured}
	one detector}	2021/3196 {Correlating located peaks in spectrum with
2021/258	• • • {Surface plasmon spectroscopy, e.g. micro- or	reference data, e.g. fingerprint data}
24/25	nanoparticles in suspension}	21/33 using ultraviolet light (G01N 21/39 takes
21/27	• • using photo-electric detection (G01N 21/31	precedence)
	takes precedence){; circuits for computing	2021/335 {Vacuum UV}
	concentration (logarithmic circuits <u>G06G 7/24</u> ; photometric circuits in general <u>G01J</u>)}	21/35 using infrared light (G01N 21/39 takes precedence)
21/272	• • • { for following a reaction, e.g. for	21/3504 for analysing gases, e.g. multi-gas analysis
21/2/2	determining photometrically a reaction rate	2021/3509 {Correlation method, e.g. one beam
	(photometric cinetic analysis)}	alternating in correlator/sample field}
21/274	• • • {Calibration, base line adjustment, drift	2021/3513 {Open path with an instrumental
21/2/4	correction}	source }
21/276	• • • • { with alternation of sample and standard in	21/3518 Devices using gas filter correlation
21/2/0	optical path}	techniques; Devices using gas pressure
21/278	{Constitution of standards}	modulation techniques
21/29	• • • using visual detection (G01N 21/31 takes	-
	precedence)	<u>NOTE</u>
21/293	• • • { with colour charts, graduated scales or	This group also covers devices
	turrets}	without instrumental sources, e.g.
2021/296	• • • {Visually measuring scintillation effect}	radiometric-type devices using
21/31	Investigating relative effect of material	ambient infrared light.
	at wavelengths characteristic of specific	2021/3522 {balancing by two filters on two
	elements or molecules, e.g. atomic absorption	detectors}
	spectrometry {(<u>G01N 21/72</u> takes precedence)}	2021/3527 {and using one filter cell as
21/3103	{Atomic absorption analysis}	attenuator}
2021/3107	{Cold vapor, e.g. determination of Hg}	2021/3531 • • • • • {without instrumental source, i.e.
	{using Zeeman split}	radiometric}
	{Multi-element AAS arrangements}	2021/3536 {using modulation of pressure or
	{Commutating sources, e.g. line source/	density}
	broad source, chopping for comparison of	2021/354 {Hygrometry of gases}
	broad/narrow regimes}	2021/3545 {Disposition for compensating effect of
2021/3122	• • • • {using a broad source with a	interfering gases}
	monochromator}	2021/355 {by using a third optical path, e.g.
		interference cuvette}
		,

21/3554 for determining moisture content	21/45 using interferometric methods; using Schlieren
21/3559 in sheets, e.g. in paper	methods
21/3563 for analysing solids; Preparation of	2021/451 {for determining the optical absorption}
samples therefor	21/453 {Holographic interferometry
2021/3568 {applied to semiconductors, e.g.	(for dimensional measurements
Silicon}	<u>G01B 9/021</u> - <u>G01B 9/029</u>)}
2021/3572 {Preparation of samples, e.g. salt	21/455 {Schlieren methods, e.g. for gradient index
matrices}	determination; Shadowgraph}
21/3577 for analysing liquids, e.g. polluted water	2021/456 {Moire deflectometry} 2021/458 {using interferential sensor, e.g. sensor fibre,
21/3581 using far infrared light; using Terahertz radiation	possibly on optical waveguide}
21/3586 by Terahertz time domain spectroscopy	21/47 • • Scattering, i.e. diffuse reflection (G01N 21/25,
[THz-TDS]	G01N 21/41 take precedence {G01N 21/55 takes
21/359 using near infrared light	precedence})
2021/3595 {using FTIR}	2021/4702 {Global scatter; Total scatter, excluding
21/37 using pneumatic detection {(opto-acoustic	reflections}
detection <u>G01N 21/1702</u>)}	2021/4704 {Angular selective}
21/39 using tunable lasers	2021/4707 {Forward scatter; Low angle scatter}
2021/391 {Intracavity sample}	2021/4709 {Backscatter}
2021/392 {Measuring reradiation, e.g. fluorescence,	2021/4711 {Multiangle measurement} 2021/4714 {Continuous plural angles}
backscatter}	2021/4714 {Continuous plural angles} 2021/4716 {Using a ring of sensors, or a combination
2021/393 {and using a spectral variation of the interaction of the laser beam and the	of diaphragm and sensors; Annular
sample}	sensor}
2021/394 {DIAL method}	2021/4719 {using a optical fibre array}
2021/395 {using a topographic target}	2021/4721 {using a PSD}
2021/396 {Type of laser source}	2021/4723 {Scanning scatter angles}
2021/397 {Dye laser}	2021/4726 • • • • {Detecting scatter at 90° }
2021/398 {CO ₂ laser}	2021/4728 {Optical definition of scattering volume}
2021/399 {Diode laser}	2021/473 {Compensating for unwanted scatter, e.g.
21/41 • Refractivity; Phase-affecting properties,	reliefs, marks}
e.g. optical path length (G01N 21/21 takes	2021/4733 {Discriminating different types of scatterers}
precedence)	2021/4735 {Solid samples, e.g. paper, glass} 21/4738 {Diffuse reflection (precedence is given
2021/4106 {Atmospheric distortion; Turbulence} 2021/4113 {Atmospheric dispersion}	21/4738 {Diffuse reflection (precedence is given to G01N 21/55 - G01N 21/57 if specular
21/412 {Annospheric dispersion}	component is taken into consideration), e.g.
2021/4126 {Index profiting of optical fibres}	also for testing fluids, fibrous materials}
21/4133 • • {Refractometers, e.g. differential}	21/474 {Details of optical heads therefor, e.g. using
2021/414 {Correcting temperature effect in	optical fibres}
refractometers}	2021/4742 {comprising optical fibres}
2021/4146 {Differential cell arrangements}	2021/4745 {Fused bundle, i.e. for backscatter}
2021/4153 • • • • {Measuring the deflection of light in	2021/4747 {Concentric bundles}
refractometers}	2021/475 {Bifurcated bundle}
2021/416 {Visualising flow by index measurement}	2021/4752 {Geometry} 2021/4754 {Diffuse illumination}
2021/4166 {Methods effecting a waveguide mode	2021/4754 {Diffuse illumination} 2021/4757 {Geometry 0/45° or 45/0°}
enhancement through the property being measured }	2021/4759 {Geometry 0/43 of 43/0 }
2021/4173 • • • {Phase distribution}	2021/4761 {Mirror arrangements, e.g. in IR range}
2021/418 {Frequency/phase diagrams}	2021/4764 {Special kinds of physical applications}
2021/4186 {Phase modulation imaging}	2021/4766 {Sample containing fluorescent
2021/4193 {using a PSD}	brighteners}
21/43 by measuring critical angle	2021/4769 {Fluid samples, e.g. slurries, granulates;
21/431 {Dip refractometers, e.g. using optical fibres}	Compressible powdery of fibrous samples}
2021/432 {comprising optical fibres}	2021/4771 {Matte surfaces with reflecting particles}
2021/433 {with an unclad part on the fibre}	2021/4773 {Partly or totally translucent samples}
2021/434 {Dipping block in contact with sample, e.g.	2021/4776 {Miscellaneous in diffuse reflection devices}
prism}	2021/4778 {Correcting variations in front distance}
2021/435 {Sensing drops on the contact surface}	2021/478 {Application in testing analytical test
2021/436 {Sensing resonant reflection}	strips}
2021/437 {with investigation of angle}	2021/4783 {Examining under varying incidence; Angularly adjustable head}
2021/438 { with investigation of wavelength}	Angulariy adjustable flead}

21/4705	(Cton dandising light goetten emperature	2021/5052 (for detecting a special ansatrum)
21/4785	 {Standardising light scatter apparatus; Standards therefor} 	2021/5953 {for detecting a spatial spectrum} 2021/5957 {using an image detector type detector, e.g.
21/4788	{Diffraction (for sizing particles	CCD}
	G01N 15/0205)}	2021/5961 {using arrays of sources and detectors}
2021/479	{Speckle}	2021/5965 {using selected detectors in an array}
2021/4792	• • • {Polarisation of scatter light}	2021/5969 {Scanning of a tube, a cuvette, a volume of
21/4795	• • • {spatially resolved investigating of object in	sample}
	scattering medium (<u>in vivo A61B</u>)}	2021/5973 • • • • { where the cuvette or tube is moved}
2021/4797	• • • • {time resolved, e.g. analysis of ballistic	2021/5976 {Image projected and scanning projected
21/40	photons }	image}
21/49	• • • within a body or fluid	2021/598 {Features of mounting, adjusting}
2021/495	• • • {the fluid being adsorbed, e.g. in porous medium}	2021/5984 {height adjustable}
21/51	inside a container, e.g. in an ampoule	2021/5988 {Fluid mounting or the like, e.g. vortex} 2021/5992 {Double pass}
21/31	(G01N 21/53 takes precedence)	2021/5992 {Double pass} 2021/5996 {Positioning the head}
2021/513	{Cuvettes for scattering measurements}	21/61 Non-dispersive gas analysers {(G01N 21/3504)
2021/516	{Multiple excitation of scattering medium,	takes precedence)}
	e.g. by retro-reflected or multiply reflected	21/62 • Systems in which the material investigated is
	excitation rays}	excited whereby it emits light or causes a change in
21/53	within a flowing fluid, e.g. smoke	wavelength of the incident light
21/532	• • • • {with measurement of scattering and	2021/625 • Excitation by energised particles such as
21/524	transmission}	metastable molecules}
21/534	• • • • {by measuring transmission alone, i.e. determining opacity}	21/63 • optically excited
2021/536	{Measurement device mounted at stack}	21/631 {using photolysis and investigating photolysed
21/538	{for determining atmospheric attenuation	fragments } 2021/632 {Predissociation, e.g. for fluorescence of
21/330	and visibility}	transient excited radicals
21/55	Specular reflectivity	2021/633 • • • {Photoinduced grating used for analysis}
2021/551	{Retroreflectance}	2021/634 {Photochromic material analysis}
21/552	Attenuated total reflection	2021/635 {Photosynthetic material analysis, e.g.
21/553	• • • {and using surface plasmons (fluorescence	chrorophyll}
	excitation <u>G01N 21/648</u> ; enhanced Raman	21/636 {using an arrangement of pump beam and
21/554	<u>G01N 21/658</u>)}	probe beam; using the measurement of optical
21/554	• • • • { detecting the surface plasmon resonance of nanostructured metals, e.g. localised	non-linear properties; (non-linear optics <u>per se</u>
	surface plasmon resonance}	G02F 1/35)} 2021/637 {Lasing effect used for analysis}
2021/555	{Measuring total reflection power, i.e.	2021/638 {Easing effect used for analysis}
2021/000	scattering and specular}	effect}
2021/556	{Measuring separately scattering and specular}	21/64 Fluorescence; Phosphorescence
2021/557	• • • {Detecting specular reflective parts on sample}	21/6402 {Atomic fluorescence; Laser induced
2021/558	• • • {Measuring reflectivity and transmission}	fluorescence}
2021/559	{Determining variation of specular reflection	21/6404 {Atomic fluorescence}
	within diffusively reflecting sample}	2021/6406 {multi-element}
21/57	Measuring gloss	21/6408 { with measurement of decay time, time
2021/575	Photogoniometering	resolved fluorescence}
21/59	 Transmissivity (<u>G01N 21/25</u> takes precedence) {using surface plasmon resonance [SPR], e.g. 	2021/641 {Phosphorimetry, gated}
2021/5903	extraordinary optical transmission [EOT]}	2021/6413 {Distinction short and delayed fluorescence or phosphorescence}
21/5907	{Densitometers}	2021/6415 {with two excitations, e.g. strong pump/
21/5911	• • • {of the scanning type (scanning per se	probe flash}
	<u>G02B</u>)}	2021/6417 {Spectrofluorimetric devices}
2021/5915	• • • • {Processing scan data in densitometry}	2021/6419 {Excitation at two or more wavelengths}
2021/5919	• • • • {Determining total density of a zone}	2021/6421 {Measuring at two or more wavelengths}
2021/5923	{Determining zones of density;	2021/6423 {Spectral mapping, video display}
	quantitating spots}	2021/6426 {Determining Fraunhofer lines}
	{Isodensitometers}	21/6428 {Measuring fluorescence of fluorescent
2021/593	• • • • {Correcting from the background density}	products of reactions or of fluorochrome
2021/5934	{Averaging on a zone}	labelled reactive substances, e.g. measuring quenching effects, using
2021/5938	{Features of monitor, display}	measuring quenching effects, using measuring "optrodes" (in vivo A61B 5/00;
2021/5942 2021/5946	{for dot area ratio in printing applications} {for binary signal}	immunoassay <u>G01N 33/53</u>)}
2021/5946	{Correcting nonlinearity of signal, e.g. in	21/643 {non-biological material}
2021/3747	measurement of photomedium}	2021/6432 {Quenching}
	r	· · · · · · · · · · · · · · · · · · ·

2021/(424	21/716
2021/6434 {Optrodes}	21/716 {by measuring the radiation emitted by a test object treated by combustion gases for
2021/6436 {for analysing tapes} 2021/6439 {with indicators, stains, dyes, tags, labels,	investigating the composition of gas mixtures}
marks}	21/718 • • • {Laser microanalysis, i.e. with formation of
2021/6441 { with two or more labels}	sample plasma}
2021/6443 {Fluorimetric titration}	21/72 using flame burners
21/6445 {Measuring fluorescence polarisation}	2021/725 { for determining of metalloids, using
21/6447 {by visual observation}	Beilstein type reaction}
21/645 {Specially adapted constructive features of	21/73 using plasma burners or torches
fluorimeters}	21/74 using flameless atomising, e.g. graphite
21/6452 {Individual samples arranged in a regular	furnaces
2D-array, e.g. multiwell plates}	2021/745 {Control of temperature, heating, ashing}
21/6454 {using an integrated detector array}	21/75 • Systems in which material is subjected to a
21/6456 {Spatial resolved fluorescence	chemical reaction, the progress or the result of
measurements; Imaging}	the reaction being investigated (systems in which material is burnt in a flame or plasma G01N 21/72,
21/6458 {Fluorescence microscopy (fluorescence	G01N 21/73)
microscopes per se G02B 21/0076 and	2021/751 {Comparing reactive/non reactive substances}
$\frac{\text{G02B 21/16}}{\text{G02B 21/16}}$	2021/752 • • {Companing reactive non-reactive substances}
2021/646 {Detecting fluorescent inhomogeneities	2021/754 • • {Reagent flow and intermittent injection of
at a position, e.g. for detecting defects} 2021/6463 {Optics}	sample or vice versa
2021/6465 {Angular discrimination}	2021/755 {Comparing readings with/without reagents, or
2021/6467 {Axial flow and illumination}	before/after reaction}
2021/6469 {Cavity, e.g. ellipsoid}	2021/757 • • {using immobilised reagents}
2021/6471 {Special filters, filter wheel}	2021/758 • • {using reversible reaction}
2021/6473 {In-line geometry}	21/76 Chemiluminescence; Bioluminescence
2021/6476 {Front end, i.e. backscatter,	21/763 {Bioluminescence}
geometry}	21/766 { of gases }
2021/6478 {Special lenses}	21/77 by observing the effect on a chemical indicator
21/648 {using evanescent coupling or surface	21/7703 • • • {using reagent-clad optical fibres or optical
plasmon coupling for the excitation of	waveguides (using measurement of total
fluorescence}	internal reflection or attenuated total reflection
2021/6482 {Sample cells, cuvettes}	G01N 21/552; optical fibres or waveguides per
2021/6484 {Optical fibres}	<u>se G02B</u>)}
21/6486 {Measuring fluorescence of biological	2021/7706 {Reagent provision}
material, e.g. DNA, RNA, cells	2021/7709 {Distributed reagent, e.g. over length of guide}
$(\underline{\text{G01N 21/6428}} \text{ takes precedence})$	2021/7713 {in core}
21/6489 {Photoluminescence of semiconductors}	2021/7716 {in cladding}
2021/6491 {Measuring fluorescence and transmission;	2021/772 {Tip coated light guide}
Correcting inner filter effect}	2021/723 {Swelling part, also for adsorption sensor,
2021/6493 {by alternating fluorescence/transmission or fluorescence/reflection}	i.e. without chemical reaction}
2021/6495 {Miscellaneous methods}	2021/7726 {Porous glass}
2021/6497 {Miscellaneous inclinous}	2021/773 {Porous polymer jacket; Polymer matrix
21/65 Raman scattering	with indicator}
2021/651 {Cuvettes therefore}	2021/7733 {Reservoir, liquid reagent}
2021/653 {Coherent methods [CARS]}	2021/7736 • • • • {exposed, cladding free}
2021/655 {Stimulated Raman}	21/774 {the reagent being on a grating or periodic
2021/656 {Raman microprobe}	structure}
21/658 {enhancement Raman, e.g. surface	21/7743 {the reagent-coated grating coupling light
plasmons}	in or out of the waveguide}
21/66 • electrically excited, e.g. electroluminescence	21/7746 {the waveguide coupled to a cavity
21/67 using electric arcs or discharges	resonator}
21/68 using high frequency electric fields	2021/775 {Indicator and selective membrane}
21/69 specially adapted for fluids {, e.g. molten	2021/7753 {Reagent layer on photoelectrical transducer}
metal}	2021/7756 {Sensor type}
2021/695 {Molten metals}	2021/7759 {Dipstick; Test strip} 2021/7763 {Sample through flow}
21/70 mechanically excited, e.g. triboluminescence	(Nample Infolium 10W)
21/71 thermally excited	2021/7766 {Capillary fill}
2021/712 {using formation of volatile hydride}	2021/7766 {Capillary fill} 2021/7769 {Measurement method of reaction-produced
2021/712 {using formation of volatile hydride} 21/714 {Sample nebulisers for flame burners or plasma	2021/7766 {Capillary fill} 2021/7769 {Measurement method of reaction-produced change in sensor}
2021/712 {using formation of volatile hydride}	2021/7766 {Capillary fill} 2021/7769 {Measurement method of reaction-produced

2021/7779	{interferometric}	2021/8609 {Optical head specially adapted}
	{Transmission, loss}	2021/8618 { with an optically integrating part, e.g.
	{Fluorescence}	hemisphere}
	{Cavity or resonator}	2021/8627 • • • • { with an illuminator over the whole width }
2021/7793	{Sensor comprising plural indicators}	2021/8636 {Detecting arrangement therefore, e.g.
	Special mountings, packaging of indicators}	collimators, screens}
21/78	producing a change of colour	2021/8645 {using multidetectors, detector array}
21/783	{for analysing gases}	2021/8654 {Mechanical support; Mounting of sheet}
2021/786	• • • {with auxiliary heating for reaction}	2021/8663 {Paper, e.g. gloss, moisture content (inspecting
21/79	Photometric titration	the presence of flaws in moving materials, e.g.
21/80	Indicating pH value	paper G01N 21/89; measurement of gloss in
21/81	Indicating humidity	general <u>G01N 21/57</u>)}
21/82	• • • producing a precipitate or turbidity	2021/8672 {Paper formation parameter}
2021/825	{Agglutination}	2021/8681 {Paper fibre orientation}
21/83	Turbidimetric titration	2021/869 {Plastics or polymeric material, e.g. polymers
21/84	Systems specially adapted for particular applications	orientation in plastic, adhesive imprinted band}
2021/8405	• • {Application to two-phase or mixed materials,	21/87 Investigating jewels (G01N 21/88 takes
	e.g. gas dissolved in liquids}	precedence)
2021/8411	• • {Application to online plant, process monitoring}	21/88 Investigating the presence of flaws or contamination
2021/8416	• • • {and process controlling, not otherwise	
	provided for}	21/8803 {Visual inspection (measuring projectors G01B 9/08)}
21/8422	• • {Investigating thin films, e.g. matrix isolation	21/8806 {Specially adapted optical and illumination
	method}	features}
	• • • {Coatings}	2021/8809 {Adjustment for highlighting flaws}
2021/8433	• • • • {Comparing coated/uncoated parts}	2021/8812 {Diffuse illumination, e.g. "sky"}
2021/8438	• • • {Mutilayers}	2021/8816 {by using multiple sources, e.g. LEDs}
2021/8444	• • {Fibrous material}	2021/8819 {by using retroreflecting screen}
2021/845	• • {Objects on a conveyor}	2021/8822 {Dark field detection}
	• • • {and using position detectors}	2021/8825 {Separate detection of dark field and
2021/8461	• • {Investigating impurities in semiconductor, e.g.	bright field}
	Silicon}	2021/8829 {Shadow projection or structured
2021/8466	{Investigation of vegetal material, e.g. leaves,	background, e.g. for deflectometry
2021/0152	plants, fruits}	(three-dimensional metrology of surfaces
2021/8472	• • {Investigation of composite materials}	<u>G01B 11/25</u>)}
2021/8477	• • {Investigating crystals, e.g. liquid crystals}	2021/8832 {Structured background, e.g. for
21/8483	• • {Investigating reagent band (test-element	transparent objects}
	handling not specific to a test method G01N 33/4875; analytical elements specific	2021/8835 {Adjustable illumination, e.g. software
	to chemical analysis of biological material	adjustable screen}
	G01N 33/52; autometer with reagent band	2021/8838 (Stroboscopic illumination; synchronised
	G01N 35/04)}	illumination}
2021/8488	• • • {the band presenting reference patches}	2021/8841 {Illumination and detection on two sides of object}
2021/8494	• • • {Measuring or storing parameters of the band}	2021/8845 {Multiple wavelengths of illumination or
21/85	Investigating moving fluids or granular solids	detection}
21/8507	• • • {Probe photometers, i.e. with optical measuring	2021/8848 {Polarisation of light}
	part dipped into fluid sample}	21/8851 {Scan or image signal processing specially
2021/8514	• • • • { with immersed mirror}	adapted therefor, e.g. for scan signal
2021/8521	• • • • { with a combination mirror cell-cuvette}	adjustment, for detecting different kinds of
2021/8528	{Immerged light conductor}	defects, for compensating for structures,
2021/8535	• • • • {presenting a cut}	markings, edges (G01N 21/8806 and
2021/8542	• • • • {presenting an exposed part of the core}	<u>G01N 21/93</u> - <u>G01N 21/95692</u> take
2021/855	• • • • {Underground probe, e.g. with provision of a	precedence; optical measurement of
	penetration tool}	dimensions <u>G01B 11/00</u> ; optical scanning
2021/8557	• • • {Special shaping of flow, e.g. using a by-pass	<u>G02B 26/10</u> ; image transformation <u>G06T 3/00</u> ; computerised image enhancement <u>G06T 5/00</u> ;
	line, jet flow, curtain flow}	image processing per se for flaw detection
2021/8564	Sample as drops	G06T 7/0002)}
2021/8571	{using filtering of sample fluid}	2021/8854 {Grading and classifying of flaws}
2021/8578	• • • {Gaseous flow (IR analysers G01N 21/8507)}	2021/8858 {Flaw counting}
2021/8585	• • • {using porous sheets, e.g. for separating	2021/8861 {Determining coordinates of flaws}
2021/9502	aerosols}	2021/8864 {Mapping zones of defects}
2021/8592	 {Grain or other flowing solid samples} . Investigating moving sheets (G01N 21/89 takes) 	
21/86	precedence)	
	precedence)	

2021/0067 (using sequentially two or more inspection	21/909 Imaginarities in toytured or notterned
2021/8867 {using sequentially two or more inspection runs, e.g. coarse and fine, or detecting then	21/898 Irregularities in textured or patterned surfaces, e.g. textiles, wood
analysing }	21/8983 {for testing textile webs, i.e. woven
2021/887 { the measurements made in two or more	material}
directions, angles, positions}	21/8986 {Wood}
2021/8874 {Taking dimensions of defect into	21/90 in a container or its contents (G01N 21/91 takes
account}	precedence)
2021/8877 {Proximity analysis, local statistics}	21/9009 {Non-optical constructional details affecting
2021/888 {Marking defects}	optical inspection, e.g. cleaning mechanisms
2021/8883 • • • • {involving the calculation of gauges,	for optical parts, vibration reduction}
generating models}	21/9018 {Dirt detection in containers}
2021/8887 {based on image processing techniques}	21/9027 {in containers after filling}
2021/889 {providing a bare video image, i.e. without	21/9036 {using arrays of emitters or receivers}
visual measurement aids}	21/9045 {Inspection of ornamented or stippled
2021/8893 {providing a video image and a processed	container walls}
signal for helping visual decision}	21/9054 {Inspection of sealing surface and container
2021/8896 {Circuits specially adapted for system	finish}
specific signal conditioning}	2021/9063 {Hot-end container inspection}
21/89 in moving material, e.g. running paper	21/9072 { with illumination or detection from inside
or textiles (<u>G01N 21/90</u> , <u>G01N 21/91</u> ,	the container}
G01N 21/94 take precedence)	21/9081 {Inspection especially designed for plastic
21/8901 {Optical details; Scanning details (per se G02B)}	containers, e.g. preforms}
2021/8902 {Anamorphic spot}	21/909 {in opaque containers or opaque container
21/8903 {using a multiple detector array}	parts, e.g. cans, tins, caps, labels} 21/91 using penetration of dyes, e.g. fluorescent ink
2021/8904 {Sheetwide light conductor on detecting	•
side, e.g. fluorescing light rod}	21/93 Detection standards; Calibrating {baseline adjustment, drift correction}
2021/8905 {Directional selective optics, e.g. slits,	2021/933 {Adjusting baseline or gain (also for web
spatial filters}	inspection)}
2021/8907 {Cylindrical optics}	2021/936 {Adjusting threshold, e.g. by way of moving
2021/8908 {Strip illuminator, e.g. light tube}	average}
2021/8909 {Scan signal processing specially adapted for	21/94 Investigating contamination, e.g. dust
inspection of running sheets}	(G01N 21/85 takes precedence)
2021/891 {Edge discrimination, e.g. by signal	2021/945 {Liquid or solid deposits of macroscopic size
filtering}	on surfaces, e.g. drops, films, or clustered
2021/8911 {Setting scan-width signals}	contaminants (dust particles and microscopic
2021/8912 {Processing using lane subdivision}	contaminants in G01N 21/94)}
21/8914 {characterised by the material examined}	21/95 characterised by the material or
21/8915 {non-woven textile material}	shape of the object to be examined
21/8916 {for testing photographic material}	(G01N 21/89 - G01N 21/91, G01N 21/94 take
2021/8917 {Paper, also ondulated}	precedence) 21/9501 {Semiconductor wafers (manufacturing
2021/8918 {Metal}	processes <u>per se</u> of semiconductor
21/892 characterised by the flaw, defect or object	devices implementing a measuring step
feature examined	H01L 22/10)}
21/8921 {Streaks}	21/9503 {Wafer edge inspection}
21/8922 {Periodic flaws}	21/9505 {Wafer internal defects, e.g. microcracks}
2021/8924 {Dents; Relief flaws}	21/9506 {Optical discs}
2021/8925 {Inclusions}	21/9508 {Capsules; Tablets}
2021/8927 {Defects in a structured web}	21/951 {Balls}
2021/8928 {Haze defects, i.e. with a part of diffracted	2021/9511 {Optical elements other than lenses, e.g.
light} 21/894 Pinholes	mirrors (testing of optical apparatus in
	<u>G01M 11/00</u>)}
21/896 Optical defects in or on transparent materials, e.g. distortion, surface flaws	2021/9513 {Liquid crystal panels}
{in conveyed flat sheet or rod (for other	21/9515 {Objects of complex shape, e.g. examined
objects G01N 21/958)}	with use of a surface follower device
2021/8962 {for detecting separately opaque flaws	(measuring contours and curvatures
and refracting flaws}	G01B 11/24)} 2021/9516 {whereby geometrical features are being
2021/8965 {using slant illumination, using	masked}
internally reflected light}	2021/9518 {using a surface follower, e.g. robot}
2021/8967 {Discriminating defects on opposite	21/952 Inspecting the exterior surface of cylindrical
sides or at different depths of sheet or	bodies or wires (G01N 21/956 takes
rod}	precedence)
	· · · · · · · · · · · · · · · · · · ·

21/954	Inspecting the inner surface of hollow bodies, e.g. bores	23/085	• • • X-ray absorption fine structure [XAFS], e.g. extended XAFS [EXAFS]
2021/9542	{using a probe}	23/087	using polyenergetic X-rays
	• • • • { with emitter and receiver on the probe}	23/09	• • • the radiation being neutrons
	• • • • { with remote light transmitting, e.g.	23/095	Gamma-ray resonance absorption, e.g. using
2021/93 10	optical fibres}	23/073	the Mössbauer effect
2021/9548		23/10	• • • the material being confined in a container, e.g.
21/956	Inspecting patterns on the surface	23/10	in a luggage X-ray scanners
21/930	of objects {(contactless testing of	23/12	the material being a flowing fluid or a flowing
	electronic circuits G01R 31/308; testing	23/12	granular solid
	currency <u>G07D</u> ; manufacturing processes <u>per</u>	23/125	_
	se of semiconductor devices implementing a		• • • { with immerged detecting head}
	\underline{sc} of semiconductor devices implementing a measuring step $\underline{H01L}$ 22/10)}	23/16	the material being a moving sheet or film
21/05607	• • • • { using a comparative method}	23/18	Investigating the presence of flaws defects or
	{ with stored comparision signal }	22/107	foreign matter
		23/185	· · · · {in tyres}
21/95025	• • • • (using a spatial filtering method (per se	23/20	by using diffraction of the radiation by the
2021/0562	<u>G02B</u>)}		materials, e.g. for investigating crystal structure; by
	• • • • {and suppressing pattern images}		using scattering of the radiation by the materials,
	{for PCB's}		e.g. for investigating non-crystalline materials; by
	{Soldering}		using reflection of the radiation by the materials
	{Through-holes}	23/20008	Constructional details of analysers, e.g.
2021/95661	• • • • { for leads, e.g. position, curvature }		characterised by X-ray source, detector or
2021/95669	• • • • • {for solder coating, coverage}		optical system; Accessories therefor; Preparing
2021/95676	• • • • {Masks, reticles, shadow masks}		specimens therefor (monochromators for X- rays
21/95684	• • • • {Patterns showing highly reflecting parts,	22/2001	using crystals <u>G21K 1/06</u>)
	e.g. metallic elements}		
21/95692	• • • • {Patterns showing hole parts, e.g.		Sample holders or supports therefor
	honeycomb filtering structures}	23/20033	• • • provided with temperature control or heating
21/958	Inspecting transparent materials (or objects,		means
	e.g. windscreens (for conveyed flat sheet or		for high pressure testing, e.g. anvil cells
	rod <u>G01N 21/896</u>)}	23/2005	Preparation of powder samples therefor
		22/20050	
2021/9583	{Lenses}	23/20058	Measuring diffraction of electrons, e.g. low
		23/20058	energy electron diffraction [LEED] method
2021/9586	{Windscreens}	23/20058	energy electron diffraction [LEED] method or reflection high energy electron diffraction
	{Windscreens} Investigating or analysing materials by the use of		energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method
2021/9586	{Windscreens} Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic		energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method . Measuring inelastic scatter of gamma rays, e.g.
2021/9586	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or	23/20066	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect
2021/9586	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take	23/20066	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g.}
2021/9586 22/00	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence)	23/20066 23/20075	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect}
2021/9586 22/00 22/005	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) { and using Stark effect modulation}	23/20066 23/20075	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two
2021/9586 22/00 22/005 22/02	{Windscreens} Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) . {and using Stark effect modulation} . Investigating the presence of flaws	23/20066 23/20075	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method . Measuring inelastic scatter of gamma rays, e.g. Compton effect . {by measuring interferences of X-rays, e.g. Borrmann effect} . {by using a combination of at least two measurements at least one being a transmission
2021/9586 22/00 22/005	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) { and using Stark effect modulation}	23/20066 23/20075 23/20083	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method Measuring inelastic scatter of gamma rays, e.g. Compton effect {by measuring interferences of X-rays, e.g. Borrmann effect} {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement}
2021/9586 22/00 22/005 22/02 22/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) { and using Stark effect modulation} Investigating the presence of flaws Investigating moisture content	23/20066 23/20075	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method Measuring inelastic scatter of gamma rays, e.g. Compton effect {by measuring interferences of X-rays, e.g. Borrmann effect} {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} Measuring the energy-dispersion spectrum [EDS]
2021/9586 22/00 22/005 22/02	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of	23/20066 23/20075 23/20083 23/20091	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method Measuring inelastic scatter of gamma rays, e.g. Compton effect {by measuring interferences of X-rays, e.g. Borrmann effect} {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} Measuring the energy-dispersion spectrum [EDS] of diffracted radiation
2021/9586 22/00 22/005 22/02 22/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) { and using Stark effect modulation} Investigating the presence of flaws Investigating moisture content	23/20066 23/20075 23/20083 23/20091 23/201	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method Measuring inelastic scatter of gamma rays, e.g. Compton effect {by measuring interferences of X-rays, e.g. Borrmann effect} {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} Measuring the energy-dispersion spectrum [EDS] of diffracted radiation by measuring small-angle scattering
2021/9586 22/00 22/005 22/02 22/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons,	23/20066 23/20075 23/20083 23/20091 23/201 23/202	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons
2021/9586 22/00 22/005 22/02 22/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203	 energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method Measuring inelastic scatter of gamma rays, e.g. Compton effect {by measuring interferences of X-rays, e.g. Borrmann effect} {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} Measuring the energy-dispersion spectrum [EDS] of diffracted radiation by measuring small-angle scattering
22/00 22/00 22/005 22/02 22/04 23/00	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00,	23/20066 23/20075 23/20083 23/20091 23/201 23/202	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons
22/00 22/00 22/005 22/02 22/04 23/00	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)}	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering
22/00 22/005 22/02 22/04 23/005 23/005	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using neutrons
22/00 22/00 22/005 22/02 22/04 23/005 23/005 23/02 23/025	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons}	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using neutrons • using diffraction cameras
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/025 23/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • {using neutrons} • and forming images of the material	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/2055	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using neutrons • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable
22/00 22/00 22/005 22/02 22/04 23/005 23/005 23/02 23/025	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/2055	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using neutrons • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/02 23/04 23/041	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/2055	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using neutrons • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/025 23/04	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/2055 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/02 23/04 23/041	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • {using fluoroscopic examination, with visual observation or video transmission of	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/2055 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry GO1T 3/00)} • {for spectrometry, i.e. using an analysing}
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/025 23/04 23/041 23/043	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images}	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry GO1T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence
22/00 22/00 22/005 22/02 22/04 23/005 23/005 23/025 23/025 23/044 23/043 23/043	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images} • • • using laminography or tomosynthesis	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry G01T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence spectrum of a sample with wavelength-
22/00 22/00 22/005 22/02 22/04 23/00 23/005 23/02 23/025 23/04 23/041 23/043	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images} • • • using laminography or tomosynthesis • • • using tomography, e.g. computed tomography	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry GO1T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence
22/00 22/00 22/005 22/02 22/04 23/005 23/005 23/025 23/04 23/041 23/043 23/044 23/046	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images} • • • using laminography or tomosynthesis • • using tomography, e.g. computed tomography [CT]	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry G01T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence spectrum of a sample with wavelength-
22/00 22/00 22/005 22/02 22/04 23/005 23/02 23/025 23/04 23/041 23/043 23/044 23/046 23/05	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) { and using Stark effect modulation} Investigating the presence of flaws Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 { by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} by transmitting the radiation through the material (using neutrons) and forming images of the material (phase-contrast imaging, e.g. using grating interferometers (using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images) using laminography or tomosynthesis using tomography, e.g. computed tomography [CT] using neutrons	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry G01T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence spectrum of a sample with wavelength-
22/00 22/00 22/005 22/02 22/04 23/005 23/005 23/025 23/04 23/041 23/043 23/044 23/046	Investigating or analysing materials by the use of microwaves or radio waves, i.e. electromagnetic waves with a wavelength of one millimetre or more (G01N 3/00 - G01N 17/00, G01N 24/00 take precedence) • {and using Stark effect modulation} • Investigating the presence of flaws • Investigating moisture content Investigating or analysing materials by the use of wave or particle radiation, e.g. X-rays or neutrons, not covered by groups G01N 3/00 - G01N 17/00, G01N 21/00 or G01N 22/00 • {by using neutrons (G01N 23/02 - G01N 23/227 take precedence)} • by transmitting the radiation through the material • • {using neutrons} • • and forming images of the material • • Phase-contrast imaging, e.g. using grating interferometers • • • {using fluoroscopic examination, with visual observation or video transmission of fluoroscopic images} • • • using laminography or tomosynthesis • • using tomography, e.g. computed tomography [CT]	23/20066 23/20075 23/20083 23/20091 23/201 23/202 23/203 23/204 23/205 23/205 23/207 23/207	energy electron diffraction [LEED] method or reflection high energy electron diffraction [RHEED] method • Measuring inelastic scatter of gamma rays, e.g. Compton effect • {by measuring interferences of X-rays, e.g. Borrmann effect} • {by using a combination of at least two measurements at least one being a transmission measurement and one a scatter measurement} • Measuring the energy-dispersion spectrum [EDS] of diffracted radiation • by measuring small-angle scattering • using neutrons • Measuring back scattering • using diffraction cameras • Analysing diffraction patterns • Diffractometry using detectors, e.g. using a probe in a central position and one or more displaceable detectors in circumferential positions • {using neutron detectors (neutron spectrometry G01T 3/00)} • {for spectrometry, i.e. using an analysing crystal, e.g. for measuring X-ray fluorescence spectrum of a sample with wavelength-

23/22	 by measuring secondary emission from the material NOTE 	24/084	• • {Detection of potentially hazardous samples, e.g. toxic samples, explosives, drugs, firearms,
	Devices <u>per se</u> are classified in the relevant places, e.g. <u>H01J 37/00</u> , <u>H01J 49/00</u>	24/085	weapons}• {Analysis of materials for the purpose of controlling industrial production systems}
23/2202	Preparing specimens therefor	24/087	• • {Structure determination of a chemical compound, e.g. of a biomolecule such as a
23/2204	Specimen supports therefor; Sample conveying means therefore		protein}
23/2206	Combination of two or more measurements, at least one measurement being that of secondary emission, e.g. combination of secondary electron [SE] measurement and back-scattered electron	24/088	 { Assessment or manipulation of a chemical or biochemical reaction, e.g. verification whether a chemical reaction occurred or whether a ligand binds to a receptor in drug screening or assessing reaction kinetics}
23/2208	 [BSE] measurement all measurements being of a secondary emission, e.g. combination of SE measurement 	24/10	 by using electron paramagnetic resonance (G01N 24/12 takes precedence)
	and characteristic X-ray measurement	24/12	by using double resonance
23/2209	using wavelength dispersive spectroscopy [WDS]	24/14	by using cyclotron resonance
23/221	by activation analysis	25/00	Investigating or analyzing materials by the use
23/222 23/223	using neutron activation analysis [NAA]by irradiating the sample with X-rays or gamma-		of thermal means (<u>G01N 3/00</u> - <u>G01N 23/00</u> take precedence)
23/223	rays and by measuring X-ray fluorescence	25/005	• {by investigating specific heat}
23/225	• using electron or ion	25/02	 by investigating changes of state or changes of
23/2251	• • • using incident electron beams, e.g. scanning electron microscopy [SEM]		phase; by investigating sintering {(investigating or analysing oils or hydrocarbon fluids by measuring
23/2252 23/2254	 Measuring emitted X-rays, e.g. electron probe microanalysis [EPMA] Measuring cathodoluminescence 	25/04	 cloud point or pour point <u>G01N 33/2811</u>)} of melting point; of freezing point; of softening point
23/2255	using incident ion beams, e.g. proton beams	25/06	Analysis by measuring change of freezing point
23/2257	Measuring excited X-rays, i.e. particle-	25/08	of boiling point
	induced X-ray emission [PIXE]	25/085	{Investigating nucleation}
23/2258	Measuring secondary ion emission, e.g.	25/10	Analysis by measuring change of boiling point
	secondary ion mass spectrometry [SIMS] (mass-to-charge ratio analysis aspects of SIMS for material analysis <u>G01N 27/62</u>)	25/12 25/14	 of critical point; of other phase change by using distillation, extraction, sublimation, condensation, freezing, or crystallisation
23/227	Measuring photoelectric effect, e.g. photoelectron emission microscopy [PEEM]	25/142	(G01N 25/02 takes precedence)
23/2273	Measuring photoelectron spectrum, e.g.	25/142 25/145	• {by condensation}• {Accessories, e.g. cooling devices (in general
23/22/3	electron spectroscopy for chemical analysis	23/143	B01L, F25D)}
	[ESCA] or X-ray photoelectron spectroscopy	25/147	• · {by cristallisation}
	[XPS]	25/16	 by investigating thermal coefficient of expansion
23/2276	• • • using the Auger effect, e.g. Auger electron spectroscopy [AES]	25/18	 by investigating thermal conductivity (by calorimetry <u>G01N 25/20</u>; by measuring change
24/00	Investigating or analyzing materials by the use of nuclear magnetic resonance, electron	25/20	of resistance of an electrically-heated body G01N 27/18) • by investigating the development of heat, i.e.
24/002	paramagnetic resonance or other spin effects	23/20	calorimetry, e.g. by measuring specific heat, by
24/002	• {Using resonance on molecular beams (atomic clocks <u>G04F 5/14</u> ; beam masers <u>H01S 1/06</u>)}		measuring thermal conductivity (calorimeters per se G01K)
24/004	 {Using acoustical resonance, i.e. phonon interactions} 	25/22	on combustion or catalytic oxidation, e.g. of
24/006	• {using optical pumping (magnetometers using	25/24	components of gas mixtures
24/000	optical pumping <u>G01R 33/26</u> , optical pumping of lasers <u>H01S 3/091</u>)}	25/24 25/26	 using combustion tubes, e.g. for microanalysis using combustion with oxygen under pressure, e.g. in bomb calorimeter
24/008	 {by using resonance effects in zero field, e.g. in microwave, submillimetric region (by measuring absorption of microwaves by the material 	25/28	the rise in temperature of the gases resulting from combustion being measured directly
	<u>G01N 22/00</u>)}	25/30	using electric temperature-responsive
24/08	 by using nuclear magnetic resonance (<u>G01N 24/12</u> takes precedence) 	25/32	elements using thermoelectric elements
24/081	• • {Making measurements of geologic samples,}	25/34	using mechanical temperature-responsive
2 // 001	e.g. measurements of moisture, pH, porosity, permeability, tortuosity or viscosity}		elements, e.g. bimetallic (bimetallic elements per se G12B 1/02)
24/082	• • {Measurement of solid, liquid or gas content}	25/36	• • • • for investigating the composition of gas mixtures

25/38	using the malting or combustion of a solid	27/021	• • {before and after chemical transformation of the
	using the melting or combustion of a solid	27/021	material}
25/385	• • • • (for investigating the composition of gas	27/022	•
25/40	mixtures}	27/023	• • {where the material is placed in the field of a
25/40	the heat developed being transferred to a	25/025	coil}
	flowing fluid	27/025	• • • {a current being generated within the material
25/42	continuously		by induction}
25/44	• • • the heat developed being transferred to a fixed	27/026	• • {Dielectric impedance spectroscopy
	quantity of fluid		(electrochemical impedance spectroscopy for
25/46	for investigating the composition of gas		measuring corrosion G01N 17/02)}
	mixtures	27/028	• • {Circuits therefor (measuring impedance per se
25/48	on solution, sorption, or a chemical reaction not		<u>G01R 27/02</u>)}
	involving combustion or catalytic oxidation	27/04	by investigating resistance
25/4806	• • • {Details not adapted to a particular type of	27/041	• • { of a solid body }
23/ 1000	sample}	27/043	• • • {of a granular material}
25/4813	• • • {concerning the measuring means}	27/045	• • • (Gircuits (measuring resistance per se
25/482	{concerning the time astring inears}	21/043	G01R 27/00, e.g. G01R 27/22)}
23/462	elements (measuring temperature or	27/046	• • • {provided with temperature compensation}
	quantity of heat, thermally-sensitive	27/046	
	elements <u>G01K</u> ; thermoelectric devices	27/048	• • • {for determining moisture content of the
		2 - 10 -	material}
25/4926	<u>H10N 10/00</u> , <u>H10N 15/00</u>)}	27/06	• • • of a liquid (involving electrolysis <u>G01N 27/26</u>)
25/4826	• • • {concerning the heating or cooling	27/07	Construction of measuring vessels;
	arrangements (heating apparatus for		Electrodes therefor
	chemical or physical laboratory apparatus in	27/08	• • • which is flowing continuously
	general <u>B01L 7/00</u>)}	27/10	Investigation or analysis specially adapted
25/4833	• • • • { specially adapted for temperature		for controlling or monitoring operations or
	scanning}		for signalling
25/484	• • • {Heat insulation}	27/12	of a solid body in dependence upon absorption
25/4846	• • • {for a motionless, e.g. solid sample}		of a fluid; of a solid body in dependence
25/4853	{Details}		upon reaction with a fluid {, for detecting
25/486	{Sample holders}		components in the fluid}
25/4866	• • • {by using a differential method}	27/121	• • • • {for determining moisture content, e.g.
25/4873	• • • {for a flowing, e.g. gas sample}		humidity, of the fluid (moisture content of
25/488	{Details}		the tested material G01N 27/048)}
25/4886	• • • • {concerning the circulation of the sample}	27/122	• • • {Circuits particularly adapted therefor, e.g.
25/4893	• • • {by using a differential method}		linearising circuits}
25/50	 by investigating flash-point; by investigating 	27/123	• • • • {for controlling the temperature
23/30	explosibility		(temperature control per se G05D 23/00)}
25/52	• by determining flash-point of liquids	27/124	• • • • • {varying the temperature, e.g. in a cyclic
25/54	 by determining rush point of inquites by determining explosibility 		manner}
25/56	 by determining explosionity by investigating moisture content 	27/125	• • • {Composition of the body, e.g. the
	•		composition of its sensitive layer}
25/58	by measuring changes of properties of the	27/126	{comprising organic polymers}
25/60	material due to heat, cold or expansion	27/127	{comprising nanoparticles}
25/60	for determining the wetness of steam	27/128	• • • • {Microapparatus}
25/62	• • by psychrometric means, e.g. wet-and-dry bulb	27/129	• • • {Nicroapparatus} • • • • {Diode type sensors, e.g. gas sensitive}
	thermometers	21/12)	Schottky diodes (capacitor type sensors
25/64	using electric temperature-responsive elements		G01N 27/227; field-effect transistor type
25/66	• • by investigating dew-point		sensors G01N 27/414)}
25/68	by varying the temperature of a condensing	27/14	• • • of an electrically-heated body in dependence
	surface	27/14	upon change of temperature
25/70	• • by varying the temperature of the material, e.g.	27/16	
	by compression, by expansion	27/16	caused by burning or catalytic oxidation of
25/72	Investigating presence of flaws	25/10	surrounding material to be tested, e.g. of gas
		27/18	caused by changes in the thermal
27/00	Investigating or analysing materials by the		conductivity of a surrounding material to be
	use of electric, electrochemical, or magnetic	25/105	tested (G01N 27/20 takes precedence)
	means (<u>G01N 3/00</u> – <u>G01N 25/00</u> take precedence;	27/185	{using a catharometer}
	measurement or testing of electric or magnetic	27/20	Investigating the presence of flaws
	variables or of electric or magnetic properties of	27/205	• • • {in insulating materials}
	materials <u>G01R</u>)	27/22	 by investigating capacitance
27/002	• {by investigating the work function voltage}	27/221	• • • {by investigating the dielectric properties
27/005	• • {by determining the work function in vacuum}		(using microwaves <u>G01N 22/00</u> ; measuring
27/007	• {by investigating the electric dipolar moment		loss factors or dielectric constants per se
	(measuring piezoelectric properties <u>G01R 29/22</u>)}		<u>G01R 27/26</u>)}
27/02	 by investigating impedance 	2027/222	{for analysing gases}

27/223	• • • {for determining moisture content, e.g. humidity (rain detectors on vehicle windows B60S 1/0825)}	27/3275	• • • • {Sensing specific biomolecules, e.g. nucleic acid strands, based on an electrode surface reaction}
27/225	• • • {by using hygroscopic materials}	27/3276	{being a hybridisation with immobilised
27/226	• • • {Construction of measuring vessels; Electrodes therefor}		receptors (using a FET type sensor G01N 27/4145; concerning the
27/227	• • • {Sensors changing capacitance upon adsorption		hybridisation C12Q 1/68)}
	or absorption of fluid components, e.g.	27/3277	• • • • • {being a redox reaction, e.g. detection
	electrolyte-insulator-semiconductor sensors, MOS capacitors (G01N 27/225 takes	27/2279	by cyclic voltammetry (voltammetry per se G01N 27/42, G01N 27/48)}
	precedence)}	27/3278	• • • • • {involving nanosized elements, e.g.
27/228	• • {Circuits therefor (measuring capacitance <u>per</u> <u>se G01R 27/26)</u> }		nanogaps or nanoparticles (nanopores G01N 33/48721; magnetic beads G01N 27/745)}
27/24	Investigating the presence of flaws	27/333	Ion-selective electrodes or membranes (glass
27/26	by investigating electrochemical variables; by using electrolysis or electrophoresis		electrodes G01N 27/36)
27/27	Association of two or more measuring systems	27/3335	• • • • {the membrane containing at least one organic component (G01N 27/3271
	or cells, each measuring a different parameter,		
	where the measurement results may be either		takes precedence; aspects concerning the enzyme reagent in enzyme electrodes
	used independently, the systems or cells being		
	physically associated, or combined to produce a	27/24	<u>C12Q 1/001)</u> }
2= /20	value for a further parameter		Dropping-mercury electrodes
27/28	Electrolytic cell components		Glass electrodes
27/283	• • • {Means for supporting or introducing		Cleaning of electrodes
	electrochemical probes}		Semi-permeable membranes or partitions
27/286	• • • • {Power or signal connectors associated		Salt-bridge leaks; Liquid junctions
2= /20	therewith}		Cells and electrode assemblies
27/30	• • Electrodes, e.g. test electrodes; Half-cells (G01N 27/414 takes precedence)	27/4035	• • • {Combination of a single ion-sensing electrode and a single reference electrode (G01N 27/406
27/301	{Reference electrodes}		and G01N 27/413 take precedence)}
27/302	• • • {pH sensitive, e.g. quinhydron, antimony	27/404	Cells with anode, cathode and cell electrolyte
	or hydrogen electrodes (ion selective		on the same side of a permeable membrane
	electrodes G01N 27/333, glass electrodes		which separates them from the sample fluid {,
	<u>G01N 27/36</u>)}		e.g. Clark-type oxygen sensors}
27/304	• • • • {Gas permeable electrodes}		• • • { for gases other than oxygen }
27/305	• • • { optically transparent or photoresponsive	27/406	Cells and probes with solid electrolytes
	electrodes}	27/4062	• • • {Electrical connectors associated therewith}
27/307	{Disposable laminated or multilayered	27/4065	• • • • {Circuit arrangements specially adapted
	electrodes (G01N 27/3272 takes		therefor}
	precedence)}	27/4067	• • • • {Means for heating or controlling the
27/308	• • • {at least partially made of carbon}		temperature of the solid electrolyte}
27/31	• • • Half-cells with permeable membranes, e.g. semi-porous or perm-selective membranes	27/407	• • • for investigating or analysing gases {(G01N 27/411 takes precedence)}
27/32	Calomel electrodes	27/4071	{using sensor elements of laminated
27/327	Biochemical electrodes {, e.g. electrical		structure}
	or mechanical details for <u>in vitro</u>	27/4072	• • • • {characterized by the diffusion barrier}
	measurements}	27/4073	• • • • {Composition or fabrication of the solid
27/3271	• • • • {Amperometric enzyme electrodes for		electrolyte}
	analytes in body fluids, e.g. glucose in blood (amperometry per se G01N 27/49;	27/4074	• • • • • {for detection of gases other than oxygen}
	aspects concerning the enzyme reagent	27/4075	{Composition or fabrication of the
	<u>C12Q 1/001</u>)}		electrodes and coatings thereon, e.g.
27/3272	{Test elements therefor, i.e. disposable		catalysts}
	laminated substrates with electrodes,	27/4076	{Reference electrodes or reference
	reagent and channels (optical biosensors		mixtures}
07/0070	G01N 33/52)}	27/4077	• • • • {Means for protecting the electrolyte or
27/3273	{Devices therefor, e.g. test element		the electrodes}
	readers, circuitry (details not specific to biochemical electrodes <u>G01N 33/4875</u>)}	27/4078	• • • • {Means for sealing the sensor element in a housing}
27/3274	{Corrective measures, e.g. error	27/409	Oxygen concentration cells
	detection, compensation for		Oxygen concentration cens Oxygen pumping cells
	temperature or hematocrit, calibration		for investigating or analysing of liquid
	(coding of calibration information	4//411	metals
	<u>G01N 33/48771</u>)}		memis

27/4111	• • • • {using sensor elements of laminated	27/44708 {Cooling}
	structure}	27/44713 {Particularly adapted electric power
27/4112	{Composition or fabrication of the solid	supply}
25/4114	electrolyte}	27/44717 {Arrangements for investigating the
27/4114	{for detection of gases other than	separated zones, e.g. localising zones}
27/4115	oxygen}	27/44721 {by optical means}
27/4115	{Composition or fabrication of the	27/44726 (using specific dyes, markers or
	electrodes and coatings thereon, e.g.	binding molecules}
27/4117	catalysts } {Reference electrodes or reference	27/4473 {by electric means}
2//411/	mixtures}	27/44734 {by thermal means}
27/4118	• • • • {Means for protecting the electrolyte or	27/44739 {Collecting the separated zones, e.g.
27/4110	the electrodes}	blotting to a membrane or punching of
27/413	Concentration cells using liquid electrolytes	gel spots} 27/44743 {Introducing samples}
277.120	{measuring currents or voltages in voltaic	27/44747 {Introducing samples} 27/44747 {Composition of gel or of carrier mixture}
	cells}	27/44752 {Controlling the zeta potential, e.g. by
27/414	Ion-sensitive or chemical field-effect	wall coatings}
	transistors, i.e. ISFETS or CHEMFETS	27/44756 {Apparatus specially adapted therefor}
27/4141	{specially adapted for gases}	27/4476 { of the density gradient type}
27/4143	• • • • { Air gap between gate and channel, i.e.	27/44765 {of the counter-flow type}
	suspended gate [SG] FETs (work function	27/44769 {Continuous electrophoresis, i.e. the
	measurement per se G01N 27/002)}	sample being continuously introduced, e.g.
27/4145	• • • { specially adapted for biomolecules, e.g. gate	free flow electrophoresis [FFE]}
	electrode with immobilised receptors}	27/44773 • {Multi-stage electrophoresis, e.g. two-
27/4146	• • • {involving nanosized elements, e.g.	dimensional electrophoresis}
	nanotubes, nanowires}	27/44778 {on a common gel carrier, i.e. 2D gel
27/4148	• • • • {Integrated circuits therefor, e.g. fabricated	electrophoresis}
	by CMOS processing (CMOS processing per	27/44782 {of a plurality of samples}
	<u>se H01L 21/82</u>)}	27/44786 {of the magneto-electrophoresis type}
27/416	. Systems (G01N 27/27 takes precedence)	27/44791 {Microapparatus (sample containers
27/4161	• • • {measuring the voltage and using a constant	with integrated microfluidic structures
	current supply, e.g. chronopotentiometry}	B01L 3/5027)}
27/4162	• • • {investigating the composition of gases, by the	27/44795 {Isoelectric focusing}
	influence exerted on ionic conductivity in a	27/453 Cells therefor
	liquid (conductometry in general <u>G01N 27/06;</u> amperometric gas sensors <u>G01N 27/404)</u> }	27/48 using polarography, i.e. measuring changes in
27/4163	• • {checking the operation of, or calibrating,	current under a slowly-varying voltage
27/4103	the measuring apparatus (G01N 27/3274,	27/49 Systems involving the determination of
	G01N 27/4175 and G01N 33/0006 take	the current at a single specific value, or
	precedence)}	small range of values, of applied voltage for
27/4165	{for pH meters}	producing selective measurement of one or
27/4166	{measuring a particular property of an	more particular ionic species
	electrolyte}	27/60 • by investigating electrostatic variables {, e.g. electrographic flaw testing (G01N 27/007 takes
27/4167	• • • • {pH (electrodes therefor <u>G01N 27/302</u> ,	precedence)}
	<u>G01N 27/36</u>)}	27/605 • {for determining moisture content, e.g. humidity}
27/4168	• • • • {Oxidation-reduction potential, e.g. for	27/61 • • Investigating the presence of flaws
	chlorination of water (water analysis	27/62 • by investigating the ionisation of gases, e.g.
	<u>G01N 33/18</u>)}	aerosols; by investigating electric discharges, e.g.
27/417	using cells {, i.e. more than one cell} and	emission of cathode
	probes with solid electrolytes	27/622 Ion mobility spectrometry
27/4175	{Calibrating or checking the analyser}	27/623 combined with mass spectrometry
27/419	Measuring voltages or currents with a	27/624 Differential mobility spectrometry [DMS];
	combination of oxygen pumping cells and	Field asymmetric-waveform ion mobility
27/42	oxygen concentration cells	spectrometry [FAIMS]
27/42	 Measuring deposition or liberation of materials from an electrolyte; Coulometry, i.e. 	27/626 using heat to ionise a gas
	measuring coulomb-equivalent of material in	27/628 { and a beam of energy, e.g. laser enhanced
	an electrolyte	ionisation}
27/423	{Coulometry}	27/64 using wave or particle radiation to ionise a gas,
27/426	{by weighing}	e.g. in an ionisation chamber
27/44	using electrolysis to generate a reagent, e.g.	27/66 and measuring current or voltage
	for titration	27/68 using electric discharge to ionise a gas
27/447	using electrophoresis	27/70 and measuring current or voltage
		27/72 • by investigating magnetic variables
27/44704	{Details; Accessories}	• by investigating magnetic variables

27/725	• • {by using magneto-acoustical effects or the	29/036	by measuring frequency or resonance of acoustic
21/123	Barkhausen effect}	29/030	waves
27/74	• • of fluids (G01N 24/00 takes precedence)	29/04	Analysing solids (using acoustic emission
27/745	{for detecting magnetic beads used in	27/04	techniques G01N 29/14)
277713	biochemical assays (concerning the	29/041	• • {on the surface of the material, e.g. using Lamb,
	assays G01N 33/54326; sensors therefor		Rayleigh or shear waves}
	G01R 33/1269; automatic analysers therefor	29/043	• • {in the interior, e.g. by shear waves}
	<u>G01N 35/0098</u>)}	29/045	• • {by imparting shocks to the workpiece and
27/76	by investigating susceptibility		detecting the vibrations or the acoustic waves
27/80	for investigating mechanical hardness, e.g.		caused by the shocks (measuring resonant
	by investigating saturation or remanence of		frequency G01H 13/00; measuring strength
	ferromagnetic material		properties by application of mechanical stress
27/82	• • for investigating the presence of flaws		<u>G01N 3/00</u>)}
27/825	• • • {by using magnetic attraction force	29/046	• • • {using the echo of particles imparting
	(G01N 27/84 takes precedence)		on a surface; using acoustic emission of
27/83	by investigating stray magnetic fields		particles (investigating concentration of particle suspensions <u>G01N 15/06</u> ; devices
27/84	by applying magnetic powder or magnetic		for measuring flow of solids in suspension
25/05	ink		G01F 1/74)}
27/85	• • • using magnetographic methods	29/048	• • {Marking the faulty objects}
27/87	using probes	29/06	Visualisation of the interior, e.g. acoustic
27/90	using eddy currents	237.00	microscopy {(medical or veterinary diagnosis
27/9006	• • • {Details, e.g. in the structure or functioning		using sonic waves A61B 8/00; representation
27/0012	of sensors}		of acoustic wave distribution G01H 3/125,
27/9013 27/902	Arrangements for scanning {by moving the sensors}		G01H 9/002; short-range imaging systems using
27/902	• • • • {by moving the sensors} • • • • {by moving the material}		reflection of acoustic waves <u>G01S 15/8906</u>)
27/9020	(by moving the material) with two or more sensors	29/0609	• • • {Display arrangements, e.g. colour displays
27/9046	{by analysing electrical signals}		(indicating or recording in connection with
27/9053	{Compensating for probe to workpiece	20/0619	measuring in general <u>G01D</u>)}
2117033	spacing }	29/0618	 {synchronised with scanning, e.g. in real- time}
27/906	{Compensating for velocity}	29/0627	{Cathode-ray tube displays (in general
27/9066	• • • • {by measuring the propagation time, or	29/0027	G01R 13/20)}
2///000	delaying the signals}	29/0636	• • • • { with permanent recording }
27/9073	{Recording measured data}	29/0636	{Display representation or displayed
27/908	• • • • {synchronously with scanning}	27/0043	parameters, e.g. A-, B- or C-Scan}
27/9086	• • • • {Calibrating of recording device}	29/0654	{Imaging}
27/9093	Arrangements for supporting the sensor;	29/0663	• • • • {by acoustic holography (acoustical
	Combinations of eddy-current sensors and		holography per se G03H 3/00)}
	auxiliary arrangements for marking or for	29/0672	• • • {by acoustic tomography (medical
	rejecting		tomography A61B 8/13)}
27/92	• by investigating breakdown voltage (<u>G01N 27/60</u> ,	29/0681	• • • {by acoustic microscopy, e.g. scanning
	G01N 27/62 take precedence)		acoustic microscopy}
29/00	Investigating or analysing materials by the use of	29/069	• • • • {Defect imaging, localisation and sizing
_>,00	ultrasonic, sonic or infrasonic waves; Visualisation		using, e.g. time of flight diffraction [TOFD],
	of the interior of objects by transmitting ultrasonic		synthetic aperture focusing technique
	or sonic waves through the object (G01N 3/00,		[SAFT], Amplituden-Laufzeit-Ortskurven
	<u>G01N 5/00, G01N 7/00, G01N 9/00, G01N 11/00,</u>	29/07	[ALOK] technique} by measuring propagation velocity or propagation
	G01N 13/00, G01N 15/00, G01N 17/00, G01N 19/00,	47/UT	time of acoustic waves
	G01N 21/00, G01N 22/00, G01N 23/00, G01N 24/00,	29/075	• • {by measuring or comparing phase angle}
20/02	<u>G01N 25/00</u> , <u>G01N 27/00</u> take precedence)	27/013	(measuring frequencies or phase angles per se
29/02	• Analysing fluids (using acoustic emission		G01R 23/00, G01R 25/00)}
	techniques <u>G01N 29/14</u> {; constructional or flow details for analysing fluids <u>G01N 29/222</u> ;	29/09	by measuring mechanical or acoustic impedance
	optoacoustic fluid cells G01N 29/2425})	29/11	by measuring attenuation of acoustic waves
29/022	Fluid sensors based on microsensors, e.g. quartz	29/12	by measuring frequency or resonance of
_>,022	crystal-microbalance [QCM], surface acoustic		acoustic waves {(measuring frequency or
	wave [SAW] devices, tuning forks, cantilevers,		resonant frequency of mechanical vibrations
	flexural plate wave [FPW] devices (microdevices		or acoustic waves in general <u>G01H 1/06</u> ,
	$\underline{\text{per se}} \; \underline{B81B})\}$		G01H 3/04, G01H 13/00; acoustic resonators
29/024	• • by measuring propagation velocity or propagation		G10K 11/04; vibration or shock testing of
	time of acoustic waves		structures G01M 7/00)}
29/028	by measuring mechanical or acoustic impedance		
29/032	by measuring attenuation of acoustic waves		

29/14	• using acoustic emission techniques {(echo of particles <u>G01N 29/046</u> ; measuring mechanical	29/262	with phased arrays (phased arrays per se
	vibrations or acoustic waves in solids in general		<u>G10K 11/34</u>)}
	<u>G01H 1/00</u>)}	29/265	• • • by moving the sensor relative to a stationary
29/22	• Details {, e.g. general constructional or apparatus		material
	details}	29/27	• • • by moving the material relative to a stationary
29/221	• • {Arrangements for directing or focusing the		sensor
	acoustical waves (electronic orientation or	29/275	by moving both the sensor and the material
	focusing G01N 29/262; sound directing or	29/28	• providing acoustic coupling {, e.g. water
	focusing G10K 11/26; mechanical steering of	23720	(impedance matching G10K 11/02)}
	sound transducers or their beams G10K 11/35)}	29/30	Arrangements for calibrating or comparing, e.g.
29/222	• • {Constructional or flow details for analysing	29/30	
25,222	fluids (optoacoustic fluid cells G01N 29/2425))	20/22	with standard objects
29/223	• • {Supports, positioning or alignment in	29/32	Arrangements for suppressing undesired
291223	fixed situation (mounting transducers per se		influences, e.g. temperature or pressure variations
			{, compensating for signal noise}
	G10K 11/004)}	29/323	• • • {compensating for pressure or tension
29/225	• • {Supports, positioning or alignment in moving		variations}
	situation}	29/326	• • • {compensating for temperature variations}
29/226	• • • {Handheld or portable devices}	29/34	• Generating the ultrasonic, sonic or infrasonic waves
29/227	 {related to high pressure, tension or stress 		{, e.g. electronic circuits specially adapted therefor}
	conditions}	29/341	• {with time characteristics}
29/228	• • {related to high temperature conditions}		
29/24	• Probes {(transducers for acoustic waves <u>B06B</u> ,	29/343	• • • {pulse waves, e.g. particular sequence of
2)/24	G10K; for measuring G01H)}		pulses, bursts}
20/2406		29/345	• • {continuous waves}
29/2406	• • • {Electrostatic or capacitive probes, e.g. electret	29/346	• • { with amplitude characteristics, e.g. modulated
	or cMUT-probes}		signal}
29/2412	• • • {using the magnetostrictive properties of the	29/348	• • {with frequency characteristics, e.g. single
	material to be examined, e.g. electromagnetic		frequency signals, chirp signals (measuring
	acoustic transducers [EMAT]; (investigating		frequency of mechanical vibrations or acoustic
	the presence of flaws using eddy currents		waves in general <u>G01H 1/06</u> , <u>G01H 3/04</u> ;
	G01N 27/90, magnetostrictive transducers		measuring frequency or analysing frequency
	B06B 1/08, measuring magnetostrictive		spectra <u>G01R 23/00</u>)}
	properties <u>G01R 33/18</u>)}	29/36	• Detecting the response signal {, e.g. electronic
29/2418	• • • {using optoacoustic interaction with the	27/30	circuits specially adapted therefor}
	material, e.g. laser radiation, photoacoustics	20/20	
	(photoacoustic cells <u>G01N 21/1702</u> ; measuring	29/38	by time filtering, e.g. using time gates
	characteristics of vibrations by using radiation-	29/40	• by amplitude filtering, e.g. by applying a
	sensitive means <u>G01H 9/00</u> ; acousto-optical		threshold {or by gain control}
	conversion techniques for short-range imaging	29/42	• • by frequency filtering {or by tuning to resonant
	G01S 15/8965; sound-producing devices using		frequency}
	laser bundle <u>G10K 15/046</u>)}	29/44	 Processing the detected response signal {, e.g.
29/2425	• • • { optoacoustic fluid cells therefor }		electronic circuits specially adapted therefor (digital
	· •		signal processing per se G06F 17/00)}
29/2431	• • • {using other means for acoustic excitation,	29/4409	• • {by comparison}
	e.g. heat, microwaves, electron beams (sound	29/4418	• • • { with a model, e.g. best-fit, regression
	producing devices not otherwise provided for	257 10	analysis}
	<u>G10K 15/04</u>)}	29/4427	• • • {with stored values, e.g. threshold values}
29/2437	• • • {Piezoelectric probes}		
29/2443	• • • {Quartz crystal probes}	29/4436	• • • {with a reference signal (amplitude comparison
29/245	• • • {Ceramic probes, e.g. lead zirconate titanate	• • • • • • • • • • • • • • • • • • • •	G01N 29/48)}
	[PZT] probes}	29/4445	• • {Classification of defects}
29/2456	• • • {Focusing probes (focusing arrangements	29/4454	• • {Signal recognition, e.g. specific values or
	G01N 29/221)}		portions, signal events, signatures}
29/2462	• • • {Probes with waveguides, e.g. SAW devices}	29/4463	• • {Signal correction, e.g. distance amplitude
29/2468	{Probes with delay lines}		correction [DAC], distance gain size [DGS],
			noise filtering}
29/2475	• • • {Embedded probes, i.e. probes incorporated in	29/4472	• • {Mathematical theories or simulation}
	objects to be inspected}	29/4481	• • {Neural networks}
29/2481	• • • {Wireless probes, e.g. with transponders or	29/449	{Statistical methods not provided for in}
	radio links}	47/ 44 7	
29/2487	• • • {Directing probes, e.g. angle probes (directing		G01N 29/4409, e.g. averaging, smoothing and
	arrangements <u>G01N 29/221</u>)}	20/45	interpolation}
29/2493	• • • {Wheel shaped probes}	29/46	• by spectral analysis, e.g. Fourier analysis {or
29/26	Arrangements for orientation or scanning {by		wavelet analysis (spectral signal processing per se
	relative movement of the head and the sensor		<u>G06F 17/14</u>)}
	(mechanical steering of sound transducers or their	29/48	• • by amplitude comparison

beams <u>G10K 11/35</u>)}

29/50	using auto-correlation techniques or cross-	30/08	using an enricher
	correlation techniques	2030/085	{using absorbing precolumn}
29/52	• using inversion methods other that spectral	30/10	using a splitter
	analysis, e.g. conjugated gradient inversion	30/12	by evaporation
30/00	Investigating on analysing materials by consection	2030/121	{cooling; cold traps}
30/00	Investigating or analysing materials by separation into components using adsorption, absorption or	2030/122	{cryogenic focusing}
	similar phenomena or using ion-exchange, e.g.	2030/123	{using more than one trap}
	chromatography {or field flow fractionation}	2030/125	{pyrolising}
	(G01N 3/00, G01N 5/00, G01N 7/00, G01N 9/00,	2030/126	• • • • {evaporating sample}
	G01N 11/00, G01N 13/00, G01N 15/00, G01N 17/00,	2030/127	PTV evaporation
	G01N 19/00, G01N 21/00, G01N 22/00, G01N 23/00,	2030/128	{Thermal desorption analysis}
	G01N 24/00, G01N 25/00, G01N 27/00, G01N 29/00	30/14	by elimination of some components
	take precedence)	2030/143	{selective absorption}
	NOTE	2030/146	{using membranes}
		30/16	Injection (G01N 30/24 takes precedence)
	In this group, the following term is used with the meaning indicated:	2030/162	{electromigration}
	 "conditioning" refers to the adjustment or	2030/165	{retention gaps}
	control of environmental parameters, e.g.	2030/167	{on-column injection}
	temperature or pressure.	30/18	using a septum or microsyringe
		2030/185	{specially adapted to seal the inlet}
30/0005	• {Field flow fractionation}	30/20	using a sampling valve
2030/001	• • {hydrodynamic fractionation, e.g. CHDF or	2030/201	{multiport valves, i.e. having more than
	HDC}		two ports}
2030/0015	• • {characterised by driving force}	2030/202	• • • • {rotary valves}
2030/002	{sedimentation or centrifugal FFF}	2030/204	• • • • {Linearly moving valves, e.g. sliding
2030/0025	• • • {cross flow FFF}		valves}
2030/003	{Asymmetrical flow}	2030/205	{Diaphragm valves, e.g. deformed
2030/0035	{electrical field}		member closing the passage}
2030/004	{characterised by opposing force}	2030/207	• • • • {with metering cavity, e.g. sample loop}
2030/0045	• • • {normal, i.e. diffusion or thermal FFF}	2030/208	• • • • • {with more than one cavity}
2030/005	• • • {steric FFF, i.e. diffusion negligible for larger particles; separation due to protrusion depth	30/22	in high pressure liquid systems
	into carrier flow profile}	30/24	Automatic injection systems
2030/0055	• • {hyperlayer, i.e. different particle populations	30/26	Conditioning of the fluid carrier; Flow patterns
2030/0033	in hyperlayers elevated above wall}	30/28	Control of physical parameters of the fluid
2030/006	• • • { lift hyperlayer, i.e. hydrodynamic lift forces	2020/205	carrier
	dominate steric effect}	2030/285 30/30	{electrically driven carrier} of temperature
2030/0065	{Dielectric FFF, i.e. opposing forces dominate	2030/3007	same temperature for whole column
	hydrodynamic lift forces and steric effects}		{temperature for whole column}
2030/007	• • {programming of driving force (carrier	2030/3013	{using cryogenic fluids}
	programming <u>G01N 30/02</u>)}	2030/303	{using peltier elements}
2030/0075	• {Separation due to differential desorption}	2030/303	• • • • {using penter elements} • • • • {temperature control of column exit, e.g.
2030/008	• • {Thermal desorption}	2030/3030	of restrictors}
2030/0085	• • {the desorption energy being adapted to sample,	2030/3046	{temperature control of column inlet}
	e.g. laser tuned to molecular bonds}	2030/3053	{using resistive heating}
2030/009	• {Extraction}	2030/3061	{column or associated structural
2030/0095	Separation specially adapted for use outside		member used as heater}
	laboratory, e.g. field sampling, portable	2030/3069	{electrical resistance used to determine
30/02	equipments} . Column chromatography		control temperature}
2030/022	Column chromatography Characterised by the kind of separation	2030/3076	• • • • {using specially adapted T(t) profile}
2030/022	mechanism}	2030/3084	{ovens}
2030/025	{Gas chromatography}	2030/3092	{Heat exchange between incoming and
2030/027	{Liquid chromatography}		outgoing mobile phase}
30/04	Preparation or injection of sample to be analysed	30/32	• • • of pressure or speed (<u>G01N 30/36</u> takes
2030/042	{Standards}		precedence)
2030/045	{internal}	2030/322	• • • • {pulse dampers}
2030/047	{external}	2030/324	• • • • {speed, flow rate}
30/06	Preparation	2030/326	• • • • {pumps}
2030/062	{extracting sample from raw material}	2030/328	• • • • {valves, e.g. check valves of pumps}
2030/065	{using different phases to separate parts of	30/34	• • • of fluid composition, e.g. gradient
_ 12.0, 000	sample}	2020/2:-	(G01N 30/36 takes precedence)
2030/067	• • • {by reaction, e.g. derivatising the sample}	2030/342	• • • • {fluid composition fixed during analysis}

2020/245		20/6021	
2030/345	{fluid electrical conductivity fixed during	30/6021	{Adjustable pistons}
2030/347	analysis } { mixers }	30/6026 30/603	{Fluid seals}
30/36	in high pressure liquid systems	30/6034	 {retaining the stationary phase, e.g. Frits} {joining multiple columns}
30/38	Flow patterns	30/6034	· · · {joining mutuple columns} · · · · {in series}
2030/381	{centrifugal chromatography}	30/6043	{in parallel}
2030/381	{flow switching in a single column}	30/6043	 { m paramer} { with supporting means; Holders }
2030/383	{by using auxiliary fluid}	30/6052	
2030/385	{by switching valves}	30/6052	 {body} {with fluid access or exit ports}
2030/386	• • • {Radial chromatography, i.e. with mobile	30/6065	• • • {with raid access of eart ports} • • • • {with varying cross section}
2030/300	phase traversing radially the stationary	30/6069	• • • { with varying cross section } • • • • { with compartments or bed substructure }
	phase }	30/6073	{with compartments of bed substructure} {in open tubular form}
2030/387	{Turbulent flow of mobile phase}	30/6078	{Capillaries}
2030/388	{Elution in two different directions on one	30/6082	{transparent to radiation}
	stationary phase}	30/6086	• • • {form designed to optimise dispersion}
30/40	using back flushing	30/6091	{Cartridges}
2030/402	• • • • {purging a device}	30/6095	(Micromachined or nanomachined, e.g. micro-
2030/405	• • • • {re-concentrating or inverting previous	30/0073	or nanosize}
	separation}		,
2030/407	• • • • {carrying out another separation}		<u>NOTE</u>
30/42	using counter-current		Attention is drawn to the Notes following
30/44	• • • using recycling of the fraction to be		the titles of class $\underline{B81}$ and subclass $\underline{B81B}$
	distributed		relating to "microstructural devices" and
2030/445	• • • • {heart cut}		"microstructural systems" and the Notes
30/46	• • • using more than one column $\{(\underline{\text{G01N }30/44})\}$		following the title of subclass <u>B82B</u> relating to "nanostructures"
	takes precedence)}		to hanostructures
30/461	{with serial coupling of separation	30/62	Detectors specially adapted therefor
20/462	columns}	2030/621	• • { signal-to-noise ratio }
30/462	• • • • • {with different eluents or with eluents	2030/623	• • • {by modulation of sample feed or detector
	in different states (<u>G01N 30/463</u> takes precedence)}		response}
30/463	{for multidimensional chromatography}	2030/625	• • • {by measuring reference material, e.g. carrier
30/465	{with specially adapted interfaces		without sample}
30/403	between the columns}	2030/626	• • {calibration, baseline}
30/466	• • • • { with separation columns in parallel }	2030/628	• • • {Multiplexing, i.e. several columns sharing a
30/467	{all columns being identical}		single detector}
30/468	{involving switching between different	30/64	Electrical detectors
	column configurations}	2030/642	• • • {photoionisation detectors}
30/50	Conditioning of the sorbent material or stationary	2030/645	• • • {electrical conductivity detectors}
	liquid	2030/647	{surface ionisation}
30/52	Physical parameters	30/66	Thermal conductivity detectors
2030/521	{form}	30/68	Flame ionisation detectors
2030/522	{pressure}	2030/685	{flame photometry}
2030/524	• • • { structural properties }	30/70	Electron capture detectors
2030/525	• • • • { surface properties, e.g. porosity }	30/72	Mass spectrometers {(mass spectrometers per
2030/527	• • • • { sorbent material in form of a membrane }	20/7207	se <u>H01J 49/00</u>)}
2030/528	• • • • {Monolithic sorbent material}	30/7206	• • • • (interfaced to gas chromatograph (interfaces in general for introducing or extracting
30/54	Temperature		samples to be analysed with specially
30/56	Packing methods or coating methods		adapted mass spectrometer, see H01J 49/04)
2030/562	• • • • {packing}	30/7213	• • • • {splitting of the gaseous effluent}
2030/565	• • • • {slurry packing}	30/722	• • • • (spinning of the glacedus efficient) • • • • (through a gas permeable barrier
2030/567	• • • • {coating}	-	(membranes, porous layers)}
30/58	• • • the sorbent moving as a whole	2030/7226	• • • • {OWTC, short capillaries or transfer line
2030/582	• • • • {micellar electrokinetic capillary		used as column}
	chromatography [MECC]}	30/7233	{interfaced to liquid or supercritical fluid
2030/585	{Parallel current chromatography}		chromatograph (interfaces in general for
2030/587	• • • {Continuous annular chromatography}		introducing or extracting samples to be
30/60	Construction of the column		analysed with specially adapted mass
30/6004	• • · {end pieces}	20/224	spectrometer, <u>see H01J 49/04</u>)}
2030/6008	{capillary restrictors}	30/724	{Nebulising, aerosol formation or
2030/6013	• • • • {interfaces to detectors}		ionisation (spraying or atomising in
30/6017	• • • {Fluid distributors}	30/7246	general <u>B05B</u>)}
		30/7240	• • • • • {by pneumatic means}

20/22/2		20/0477	(5. 11. 41. 4.)
30/7253	• • • • • {by thermal means, e.g. thermospray}	30/8655	• • • {Details of data formats}
30/726	• • • • {by electrical or glow discharge}	30/8658	• • • {Optimising operation parameters}
30/7266	• • • • {by electric field, e.g. electrospray}	30/8662	• • • • {Expert systems; optimising a large number
30/7273	{Desolvation chambers}	20/044	of parameters}
30/728	{Intermediate storage of effluent, including	30/8665	• • • {for calibrating the measuring apparatus}
	condensation on surface}	30/8668	• • • {using retention times}
30/7286	• • • • {the store moving as a whole, e.g. moving wire}	30/8672	• { not depending on an individual instrument, e.g. retention time indexes or calibration
30/7293	• • • {Velocity or momentum separators}	30/8675	transfer}
30/74	 Optical detectors {(measurement of intensity, velocity, spectral content, polarisation, or phase of infrared, visible or ultraviolet light GO1J)} FTIR} 	30/8073	 • • {Evaluation, i.e. decoding of the signal into analytical information (for analysis of specific compounds see also G01N 30/88 and subgroups of G01N 33/00; chemical libraries
2030/746	{detecting along the line of flow, e.g. axial}		<u>per se C40B</u>)}
30/76	Acoustical detectors {(measurement of	30/8679	• • • • {Target compound analysis, i.e. whereby a
	mechanical vibrations or ultrasonic, sonic or		limited number of peaks is analysed}
	infrasonic waves <u>G01H</u>)}	30/8682	• • • • {Group type analysis, e.g. of components
2030/765	• • • • {for measuring mechanical vibrations}		having structural properties in common}
2030/77	{detecting radioactive properties}	30/8686	• • • {Fingerprinting, e.g. without prior
30/78	using more than one detector		knowledge of the sample components}
30/80	Fraction collectors	30/8689	• • • {Peak purity of co-eluting compounds}
30/82	Automatic means therefor	30/8693	• • • {Models, e.g. prediction of retention times,
30/84	• Preparation of the fraction to be distributed		method development and validation}
2030/8405	{using pyrolysis}	30/8696	{Details of Software}
2030/8411	{Intermediate storage of effluent, including	30/88	Integrated analysis systems specially adapted
	condensation on surface}		therefor, not covered by a single one of the
2030/8417	• • • • {the store moving as a whole, e.g. moving	2020/0004	groups <u>G01N 30/04</u> - <u>G01N 30/86</u>
	wire}	2030/8804	{automated systems}
2030/8423	• • {using permeable separator tubes}	2030/8809	{analysis specially adapted for the sample}
2030/8429	• • {adding modificating material}	2030/8813	{biological materials}
2030/8435	• • • {for chemical reaction}	2030/8818	(involving amino acids)
2030/8441	• • • {to modify physical properties}	2030/8822	(involving blood)
2030/8447	• • • {Nebulising, aerosol formation or ionisation}	2030/8827	(involving nucleic acids)
2030/8452	(Generation of electrically charged aerosols	2030/8831	(involving peptides or proteins)
	or ions}	2030/8836 2030/884	{involving saccharides}
2030/8458	• • • • {of ions or clusters of individual ions}		{organic compounds} {involving halogenated organic
2030/8464	{Uncharged atoms or aerosols}	2030/0043	compounds}
2030/847	• • • {by pneumatic means}	2030/885	{involving polymers}
2030/8476	{by thermal means}		{involving polymers}
2030/8482	• • • {by electrical or glow discharge}		{involving hydrocarbons}
2030/8488	• • • {by electric field}		Fullerenes
2030/8494	{Desolvation chambers}		• • • {runctenes} • • • {elemental analysis, e.g. isotope dilution}
30/86	Signal analysis	2030/0000	analysis}
30/8603	• • • {with integration or differentiation}	2030/8872	{impurities}
30/8606	{Integration}		• • • {optical isomers}
30/861	{Differentiation}		{Modular construction, specially adapted
30/8613	• • • {Dividing or multiplying by a constant}		therefor}
30/8617	• • • {Filtering, e.g. Fourier filtering}	2030/8886	{Analysis of industrial production processes}
2030/862	{Other mathematical operations for data	2030/889	• • • {monitoring the quality of the stationary phase;
	preprocessing}		column performance}
30/8624	• • • {Detection of slopes or peaks; baseline correction}	2030/8895	• • { Independent juxtaposition of embodiments; Reviews }
30/8627	· · · · {Slopes}	30/89	Inverse chromatography
30/8631	· · · · {Peaks}	30/90	Plate chromatography, e.g. thin layer or paper
30/8634	• • • • {Peak quality criteria}		chromatography
30/8637	· · · · {Peak shape}	2030/903	{centrifugal chromatography}
30/8641	{Baseline}	2030/906	• • {pressurised fluid phase}
30/8644	• • • {Data segmentation, e.g. time windows}	30/91	Application of the sample
2030/8648	{Feature extraction not otherwise provided	30/92	Construction of the plate
20/0151	for}	30/93	Application of the sorbent layer
30/8651	• • • {Recording, data aquisition, archiving and	30/94	Development
	storage}	2030/945	• • • {Application of reagents to undeveloped plate}

30/95	Detectors specially adapted therefor; Signal		{This Note corresponds to IPC Note (1) relating to
	analysis		G01N 33/52 - G01N 33/98.}
30/96	• using ion-exchange (<u>G01N 30/02</u> , <u>G01N 30/90</u> take	33/0001	• {by organoleptic means}
2030/965	precedence) • {suppressor columns}	33/0003	• {Composite materials}
2030/903	• • {suppressor columns}	33/0004	• {Gaseous mixtures, e.g. polluted air}
31/00	Investigating or analysing non-biological materials	33/0006	• • {Calibrating gas analysers}
	by the use of the chemical methods specified in the	33/0008	{Details concerning storage of calibration data,
	subgroup; Apparatus specially adapted for such		e.g. in EEPROM}
21/002	methods	33/0009	{General constructional details of gas analysers,
31/002	• {Determining nitrogen by transformation into		e.g. portable test equipment (devices for
21/005	ammonia, e.g. KJELDAHL method}		withdrawing samples in the gaseous state
31/005	• {investigating the presence of an element by oxidation (G01N 31/12 takes precedence)}		<u>G01N 1/22</u>)}
31/007	 • {by measuring the quantity of water resulting} 	33/0011	• • • {Sample conditioning (preparing specimens for
31/00/	therefrom (G01N 31/12 takes precedence)}	22/0012	investigation <u>G01N 1/28</u>)}
		33/0013	• • • • {by a chemical reaction (a chemical reaction taking place or a gas being eliminated in one
	NOTE		or more analysing channels <u>G01N 33/0024</u>)}
	The observation of the progress of	33/0014	• • • • {by eliminating a gas (by a chemical reaction
	the reaction specified below by any	22,001.	G01N 33/0013; a chemical reaction taking
	of the methods specified in groups		place or a gas being eliminated in one or
	G01N 3/00 - G01N 3/00 - G01N 29/00, if this		more analysing channels G01N 33/0024)}
	is of major importance, is dealt with in the group concerned.	33/0016	• • • {by regulating a physical variable, e.g.
			pressure or temperature}
31/02	 using precipitation {(measuring deposition 	33/0018	• • • {by diluting a gas}
	or liberation of materials from an electrolyte	33/0019	• • • {by preconcentration}
21/10	<u>G01N 27/42</u>)}	33/0021	• • • • (involving the use of a carrier gas for
31/10	using catalysis	22/0022	transport to the sensor}
31/12	• using combustion (<u>G01N 25/20</u> takes precedence)	33/0022	• • { using a number of analysing channels }
31/16 31/162	using titration	33/0024	• • • {a chemical reaction taking place or a gas being eliminated in one or more channels}
31/102	 {Determining the equivalent point by means of a discontinuity} 	33/0026	• • • {using an alternating circulation of another
31/164	• • {by electrical or electrochemical means}	33/0020	gas}
31/166	{Continuous titration of flowing liquids}	33/0027	• • • {concerning the detector}
31/168	Determining water content by using Karl Fischer	33/0029	{Cleaning of the detector}
2 -	reagent}	33/0031	• • • {comprising two or more sensors, e.g. a
31/18	Burettes specially adapted for titration		sensor array}
31/20	 using microanalysis, e.g. drop reaction 	33/0032	• • • • {using two or more different physical
31/22	 using chemical indicators (<u>G01N 31/02</u> takes 		functioning modes}
	precedence)	33/0034	{comprising neural networks or related
31/221	• • {for investigating pH value}	22/222	mathematical techniques}
31/222	• • {for investigating moisture content}	33/0036	• • • { specially adapted to detect a particular
31/223	• • {for investigating presence of specific gases		component (physical analysis of gaseous biological material G01N 33/497)}
	or aerosols (<u>G01N 31/221</u> , <u>G01N 31/222</u> take	33/0037	$ \{NO_x\}$
	precedence; actuation of fire alarm by presence of smoke or gases <u>G08B 17/10</u>)}	33/0039	$\cdot \cdot \cdot \cdot \cdot \{O_3\}$
31/224	• • {for investigating presence of dangerous gases}	33/004	$\cdot \cdot \cdot \cdot \cdot \cdot \{CO \text{ or } CO_2\}$
31/225	• • {for oxygen, e.g. including dissolved oxygen}	33/0042	$$ {SO ₂ or SO ₃ }
31/226	• • {for investigating the degree of sterilisation}	33/0044	$\cdot \cdot \cdot \cdot \cdot \{\text{Sulphides, e.g. H}_2S\}$
31/227	• {for nitrates or nitrites}	33/0045	{Hg}
31/228	• • {for peroxides}	33/0047	{Organic compounds}
31/229	• {for investigating time/temperature history}	33/0049	• • • • {Halogenated organic compounds}
22/00		33/005	$$ $\{H_2\}$
33/00	Investigating or analysing materials by specific methods not covered by groups	33/0052	• • • • {Gaseous halogens}
	G01N 1/00 - G01N 31/00	33/0054	{Ammonia}
		33/0055	{Radionuclides}
	NOTE	33/0057	• • • • {Warfare agents or explosives}
	In groups <u>G01N 33/52</u> - <u>G01N 33/98</u> , the	33/0059	{Avoiding interference of a gas with the
	last place priority rule is applied, i.e. at each	22/02/	gas to be measured}
	hierarchical level, in the absence of an indication	33/006	{Avoiding interference of water vapour
	to the contrary, classification is made in the last appropriate place.	33/0062	with the gas to be measured \\ {concerning the measuring method or the}
	appropriate place.	33/0002	display, e.g. intermittent measurement or
			digital display}

33/0063	• • • {using a threshold to release an alarm or	33/2022 Non-metallic constituents
	displaying means}	33/2025 Gaseous constituents
33/0065	{using more than one threshold}	33/2028 Metallic constituents
33/0067	• • • {by measuring the rate of variation of the concentration}	33/204 Structure thereof, e.g. crystal structure 33/2045 Defects
33/0068	• • • {using a computer specifically programmed}	33/205 in liquid state, e.g. molten metals
33/007	{Arrangements to check the analyser	33/207 • Welded or soldered joints; Solderability
33/00/	(calibrating gas analysers G01N 33/0006)}	· · · · · · · · · · · · · · · · · · ·
33/0072	• • • • {by generating a test gas}	33/208 . Coatings, e.g. platings
33/0073	{Control unit therefor}	33/22 • Fuels; Explosives
33/0075	• • • {for multiple spatially distributed sensors,	33/222 • • {Solid fuels, e.g. coal}
33/00/3	e.g. for environmental monitoring}	33/225 • Gaseous fuels, e.g. natural gas}
33/0077	• {Testing material properties on individual granules	33/227 • Explosives, e.g. combustive properties thereof
20,007,	or tablets}	33/24 • Earth materials (G01N 33/42 takes precedence)
33/0078	• {Testing material properties on manufactured	33/241 {for hydrocarbon content}
22,00,0	objects}	33/243 • • {for determining biological parameters
33/008	• • {Sport articles, e.g. balls, skis or rackets}	concerning composting, biodegradability or
33/0081	• {Containers; Packages; Bottles}	bioavailability}
33/0083	• • {Vehicle parts}	33/245 • • {for agricultural purposes}
33/0085	· · · {Wheels}	33/246 • • {for water content}
33/0086	. {Clothes; Hosiery}	33/248 • • {related to manure as a biological product}
33/009	. {Seals}	33/26 • Oils; Viscous liquids; Paints; Inks (G01N 33/22
33/0091	· {Powders}	takes precedence)
33/0093	• {Radioactive materials}	33/28 • Oils {, i.e. hydrocarbon liquids} (edible oils or
33/0095	• {Semiconductive materials}	edible fats <u>G01N 33/03</u>)
33/0096	{Testing material properties on thin layers or	33/2805 {investigating the resistance to heat or
33/00/0	coatings}	oxidation} 33/2811 {by measuring cloud point or pour point of
33/0098	• {Plants or trees (wood <u>G01N 33/46</u>)}	33/2811 {by measuring cloud point or pour point of oils}
33/00	• Food	33/2817 {using a test engine}
33/025	{Fruits or vegetables}	33/2823 {Raw oil, drilling fluid or polyphasic mixtures}
33/03	Edible oils or edible fats	33/2829 {Mixtures of fuels}
33/04	. Dairy products	33/2835 {Specific substances contained in the oils or
33/06	Determining fat content, e.g. by butyrometer	fuels}
33/08	• Eggs, e.g. by candling	33/2841 {Gas in oils, e.g. hydrogen in insulating oils}
33/085	{by candling}	33/2847 {Water in oils}
33/10	Starch-containing substances, e.g. dough	33/2852 {Alcohol in fuels}
33/105	{Pasta}	33/2858 {Metal particles}
33/103	. Meat; Fish	33/2864 {Lead content}
33/14	. Beverages	33/287 {Sulfur content}
33/143	{containing sugar}	33/2876 {Total acid number}
33/146	{containing alcohol}	33/2882 {Markers}
33/140	Medicinal preparations {; Physical properties	33/2888 {Lubricating oil characteristics, e.g.
55/15	thereof, e.g. dissolubility}	deterioration (lubricating properties
33/18	• Water	G01N 33/30)}
33/1806	(Biological oxygen demand [BOD] or chemical	33/2894 {for metal working or machining}
23/1000	oxygen demand [COD]}	33/30 for lubricating properties
33/1813	• • {Specific cations in water, e.g. heavy metals}	33/32 • Paints; Inks
33/182	• {Specific anions in water}	33/34 • Paper
33/1826	• {Organic contamination in water}	33/343 • • {Paper pulp}
33/1833	{Oil in water}	33/346 • {Paper sheets}
33/184	• • {Herbicides, pesticides, fungicides, insecticides	33/36 • Textiles
20,10.	or the like}	33/362 • • {Material before processing, e.g. bulk cotton or
33/1846	{Total carbon analysis}	wool}
33/1853	• • {Hardness of water}	33/365 {Filiform textiles, e.g. yarns}
33/186	{using one or more living organisms, e.g. a fish}	33/367 {Fabric or woven textiles}
33/1866	{using microorganisms}	33/38 • Concrete; Lime; Mortar; Gypsum; Bricks;
33/1873	• • {Ice or snow}	Ceramics; Glass
33/188	• • {Determining the state of nitrification}	33/383 {Concrete or cement}
33/1886	• • {using probes, e.g. submersible probes, buoys}	33/386 {Glass}
33/1893	• • {using flow cells}	33/388 {Ceramics}
33/20	• Metals	33/389 • {Precious stones; Pearls}
33/202	Constituents thereof	33/39 • {Crystals}

33/40	Grinding-materials	33/49 Blood {(chemical methods for determining
33/40	Road-making materials (G01N 33/38 takes)	blood cell populations G01N 33/5094;
33/42	precedence)	chemical analysis of blood groups or blood
33/44	• Resins; Plastics; Rubber; Leather	types <u>G01N 33/80</u>)}
33/442	{Resins; Plastics}	33/4905 {Determining clotting time of blood
33/445	• • {Rubber}	(by chemical methods G01N 33/86,
33/447	{Leather}	<u>C12Q 1/56</u>)}
33/46	. Wood	33/491 {by separating the blood components
33/48	• Biological material, e.g. blood, urine (G01N 33/02,	(G01N 15/05 takes precedence)}
	G01N 33/26, G01N 33/44, G01N 33/46 take	33/4915 {using flow cells (flow cytometry
	precedence); Haemocytometers (counting blood	G01N 15/14)}
	corpuscules distributed over a surface by scanning	33/492 {Determining multiple analytes}
22/102	the surface G06M 11/02)	33/4925 {measuring blood gas content, e.g. O ₂ , CO ₂ , HCO ₃ }
33/483	Physical analysis of biological material	33/493 urine
33/4833	• • • {of solid biological material, e.g. tissue samples, cell cultures (tissue in vivo	33/497 of gaseous biological material, e.g. breath
	A61B 5/00; cell suspensions G01N 33/48735)}	33/4972 {Determining alcohol content (for vehicle
33/4836	• • • {using multielectrode arrays}	safety devices B60K 28/06)}
33/487	of liquid biological material	33/4975 {other than oxygen, carbon dioxide or
	• • • {by electrical means (G01N 33/49,	alcohol, e.g. organic vapours}
	G01N 33/493 take precedence)}	33/4977 {Metabolic gas from microbes, cell cultures
33/48714	{for determining substances foreign to	or plant tissues}
	the organism, e.g. drugs or heavy metals	33/50 Chemical analysis of biological material, e.g.
	(drugs by chemical analysis <u>G01N 33/94</u>)}	blood, urine; Testing involving biospecific
33/48721	• • • • {Investigating individual macromolecules,	ligand binding methods; Immunological testing (measuring or testing processes involving
	e.g. by translocation through nanopores	enzymes or microorganisms, compositions or
	(Coulter counters in general <u>G01N 15/12;</u> fabrication methods for nanoscale	test papers therefor; processes for forming such
	apertures <u>B81B 1/00</u> ; sequencing of	compositions, condition responsive control in
	nucleic acids C12Q 1/68)}	microbiological or enzymological processes
33/48728	{Investigating individual cells,	<u>C12Q</u>)
	e.g. by patch clamp, voltage clamp	NOTEC
		NOTES
	(investigating individual particles in	
22/49725	(investigating individual particles in general <u>G01N 15/10</u>)}	1. In this group, the following expression is used with the meaning indicated: "involving", when
33/48735	(investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g.	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the
33/48735	(investigating individual particles in general <u>G01N 15/10</u>)}	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing
33/48735	(investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a
33/48735	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material.
	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the
	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material.
	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is
33/48742	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new
33/48742	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding
33/48742	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, in- 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring
33/48742	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding
33/48742 33/4875	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 - G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes
33/48742 33/4875	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However,
33/48742 33/4875 33/48757 33/48764	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of
33/48742 33/4875 33/48757 33/48764	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this
33/48742 33/4875 33/48757 33/48764 33/48771	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of
33/48742 33/4875 33/48757 33/48764 33/48771	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. Partitioning blood components
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 4 Partitioning blood components {
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of 	 In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. (Partitioning blood components) (involving human or animal cells (immunoassay)
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002 {Partitioning blood components} 33/5005 {involving human or animal cells (immunoassay G01N 33/56966; immunoassays of protozoa G01N 33/56905; protozoa in
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a particular test method, e.g. user interface or 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002 {Partitioning blood components} 33/5005 {involving human or animal cells (immunoassay G01N 33/56966; immunoassays of protozoa G01N 33/56905; protozoa in screening assays C12Q 1/025)}
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a particular test method, e.g. user interface or power supply} 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002 {Partitioning blood components} 33/5005 {involving human or animal cells (immunoassay G01N 33/56966; immunoassays of protozoa G01N 33/56905; protozoa in
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778 33/48785	 (investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a particular test method, e.g. user interface or power supply} 	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002 {Partitioning blood components} 33/5005 {involving human or animal cells (immunoassay G01N 33/56966; immunoassays of protozoa G01N 33/56905; protozoa in screening assays C12Q 1/025)} 33/5008 {for testing or evaluating the effect of
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778 33/48785	(investigating individual particles in general GO1N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Test tape taken off a spool} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a particular test method, e.g. user interface or power supply} {Data management, e.g. communication with processing unit (for in vivo diagnostics A61B 5/0002; transmission	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002
33/48742 33/4875 33/48757 33/48764 33/48771 33/48778 33/48785	(investigating individual particles in general G01N 15/10)} {Investigating suspensions of cells, e.g. measuring microbe concentration (by chemical means C12Q 1/04; colony counters C12M 1/34; concentration of particle suspensions in general G01N 15/06)} {Determining urea by measuring the volume of a gas (in general G01N 7/14 - G01N 7/18)} {Details of handling test elements, e.g. dispensing or storage, not specific to a particular test method (test-elements per se B01L, automatic analysers G01N 35/00, invivo analysis on the human body for medical diagnosis A61B)} {Test elements dispensed from a stack} {Coding of information, e.g. calibration data, lot number} {Containers specially adapted therefor, e.g. for dry storage} {Electrical and electronic details of measuring devices for physical analysis of liquid biological material not specific to a particular test method, e.g. user interface or power supply} {Data management, e.g. communication with processing unit (for in vivo	1. In this group, the following expression is used with the meaning indicated: "involving", when used in relation to a material, includes the testing for the material as well as employing the material as a determinant or reactant in a test for a different material. 2. In groups G01N 33/52 – G01N 33/98, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place. 3. Documents relating to new peptides or new DNA or its corresponding mRNA, encoding for the peptides, and their use in measuring or testing processes are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in diagnostics. However, if the investigating or analysing aspects are of interest, the documents are classified in this group. 33/5002 {Partitioning blood components} 33/5005 {involving human or animal cells (immunoassay G01N 33/5696; immunoassays of protozoa G01N 33/56905; protozoa in screening assays C12Q 1/025)} 33/5008 {for testing or evaluating the effect of chemical or biological compounds, e.g. drugs, cosmetics}

33/502	{for testing non-proliferative effects}	33/533 with fluorescent label
33/5023	{on expression patterns}	33/534 with radioactive label
33/5026	· · · · · {on cell morphology}	33/535 with radioactive label for co-enzymes, co-
		factors, enzyme inhibitors or enzyme
33/5029 33/5032	• • • • • {on cell motility}	substrates}
	• • • • • {on intercellular interactions}	33/536 with immune complex formed in liquid
33/5035	(on sub-cellular localization)	phase
33/5038	• • • • {involving detection of metabolites <u>per</u>	33/537 with separation of immune complex from
22/5041	<u>se</u> }	unbound antigen or antibody
33/5041	{involving analysis of members of	33/5375 {by changing the physical or
22/5044	signalling pathways}	chemical properties of the medium or
33/5044	{involving specific cell types}	immunochemicals, e.g. temperature,
33/5047	{Cells of the immune system}	density, pH, partitioning}
33/505	· · · · · · {involving T-cells}	33/538 by sorbent column, particles or resin
33/5052	· · · · · · {involving B-cells}	strip {, i.e. sorbent materials}
33/5055	• • • • • {involving macrophages}	33/539 involving precipitating reagent {, e.g.
33/5058	• • • • {Neurological cells}	ammonium sulfate}
33/5061	{Muscle cells}	33/541 Double or second antibody {, i.e.
33/5064	• • • • • {Endothelial cells}	precipitating antibody}
33/5067	{Liver cells}	33/542 with steric inhibition or signal
33/507	• • • • • {Pancreatic cells}	modification, e.g. fluorescent quenching
33/5073	• • • • • {Stem cells}	33/543 with an insoluble carrier for immobilising
33/5076	• • • • {involving cell organelles, e.g. Golgi	immunochemicals
	complex, endoplasmic reticulum}	33/54306 {Solid-phase reaction mechanisms}
33/5079	• • • • • {Mitochondria}	33/54313 {the carrier being characterised by its
33/5082	• • • • {Supracellular entities, e.g. tissue,	particulate form}
	organisms}	33/5432 {Liposomes or microcapsules}
33/5085	• • • • • {of invertebrates}	33/54326 {Magnetic particles}
33/5088	• • • • • {of vertebrates}	33/54333 {Modification of conditions of
33/5091	• • • { for testing the pathological state of an	immunological binding reaction, e.g.
	organism}	use of more than one type of particle,
33/5094	• • • • (for blood cell populations (red blood cells	use of chemical agents to improve
	<u>G01N 33/80</u>)}	binding, choice of incubation time or
33/5097	• • • {involving plant cells (immunoassays of plant	application of magnetic field during
	cells <u>G01N 33/56961</u>)}	binding reaction}
33/52	Use of compounds or compositions for	33/5434 {using magnetic particle
	colorimetric, spectrophotometric or	immunoreagent carriers which
	fluorometric investigation, e.g. use of	constitute new materials <u>per se</u> }
	reagent paper {and including single- and	33/54346 {Nanoparticles}
	multilayer analytical elements (immunological	33/54353 { with ligand attached to the carrier via
	elements <u>G01N 33/54386</u> ; involving labelled immunochemicals <u>G01N 33/58</u> ; for	a chemical coupling agent (coatings
	haemoglobin or occult blood G01N 33/72)}	G01N 33/54393)}
33/521	• • • {Single-layer analytical elements}	33/5436 {with ligand physically entrapped
33/523	• • • • (Single-rayer analytical elements) • • • • (the element being adapted for a specific	within the solid phase (liposomes G01N 33/5432; immunological test
33/323	analyte	elements <u>G01N 33/54386</u>)}
33/525	• • • {Multi-layer analytical elements}	33/54366 {Apparatus specially adapted for solid-
33/526	{the element being adapted for a specific	phase testing}
33/320	analyte}	33/54373 {involving physiochemical end-point
33/528	• • • {Atypical element structures, e.g. gloves,	determination, e.g. wave-guides, FETS,
33/320	rods, tampons, toilet paper}	gratings}
33/53	Immunoassay; Biospecific binding assay;	33/5438 {Electrodes}
33/33	Materials therefor	33/54386 {Analytical elements}
33/5302	{Apparatus specially adapted for	
	immunological test procedures}	<u>WARNING</u>
33/5304	{Reaction vessels, e.g. agglutination plates	Group <u>G01N 33/54386</u> is
	(for solid-phase systems G01N 33/543)}	impacted by reclassification
33/5306	{Improving reaction conditions, e.g.	into groups <u>G01N 33/54387</u> ,
	reduction of non-specific binding, promotion	G01N 33/54388, G01N 33/54389
	of specific binding}	and <u>G01N 33/54391</u> .
33/5308	• • • • {for analytes not provided for elsewhere, e.g.	All groups listed in this Warning
	nucleic acids, uric acid, worms, mites}	should be considered in order to
33/531	Production of immunochemical test materials	perform a complete search.
33/532	Production of labelled immunochemicals	

33/54387	{Immunochromatographic test strips}	33/566 using specific carrier or receptor proteins as ligand binding reagents {where possible
	WARNING	specific carrier or receptor proteins are
	Groups <u>G01N 33/54387</u> , <u>G01N 33/54388</u> , <u>G01N 33/54389</u> and <u>G01N 33/54391</u>	classified with their target compounds} 33/567 utilising isolate of tissue or organ as
	are incomplete pending reclassification of documents	binding agent 33/569 for microorganisms, e.g. protozoa, bacteria,
	from groups G01N 33/54386 and	viruses 33/56905 {Protozoa}
	G01N 33/558.	33/56911 {Bacteria}
	All groups listed in this Warning should be considered in order to	33/56916 {Enterobacteria, e.g. shigella, salmonella, klebsiella, serratia}
	perform a complete search.	33/56922 {Campylobacter}
33/54388	{based on lateral flow}	33/56927 {Chlamydia}
33/54389	· ·	33/56933 {Mycoplasma}
	multidirectional lateral flow, e.g. wherein the sample flows	33/56938 {Staphylococcus} 33/56944 {Streptococcus}
	from a single, common sample	33/5695 {Mycobacteria}
	application point into multiple	33/56955 {involved in periodontal diseases}
33/54391	strips, lanes or zones} {based on vertical flow}	33/56961 {Plant cells or fungi}
33/54393		33/56966 {Animal cells} 33/56972 {White blood cells}
	stability, e.g. by coating or irradiation	33/56977 {HLA or MHC typing}
	of surface, by reduction of non-specific binding, by promotion of specific binding}	33/56983 {Viruses}
33/544	the carrier being organic	33/56988 {HIV or HTLV}
33/545	Synthetic resin	33/56994 {Herpetoviridae, e.g. cytomegalovirus, Epstein-Barr virus}
33/546	as water suspendable particles	33/571 for venereal disease, e.g. syphilis,
33/547 33/548	with antigen or antibody attached to the carrier <u>via</u> a bridging agent	gonorrhoea {(herpes <u>G01N 33/56994;</u> chlamydia <u>G01N 33/56927</u>)}
33/549	Carbohydrates, e.g. dextran with antigen or antibody entrapped	33/573 for enzymes or isoenzymes 33/5735 {co-enzymes or co-factors, e.g. NAD,
	within the carrier	ATP}
33/551	the carrier being inorganic	· · · · · · · · · · · · · · · · · · ·
33/551 33/552 33/553	the carrier being inorganic Glass or silica	ATP}
33/552	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell 	ATP} 33/574 for cancer NOTE In this group:
33/552 33/553 33/554	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to
33/552 33/553 33/554 33/555	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups
33/552 33/553 33/554	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57447 - G01N 33/57449
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer
33/552 33/553 33/554 33/555 33/556	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 {of cervix}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 {of cervix} 33/57415 {of breast}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 {of cervix}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, G01N 33/54389 and G01N 33/54391. 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 { of cervix} 33/57415 { of breast} 33/57419 { of colon} 33/57423 { of lung} 33/57426 { leukemia}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, G01N 33/54389 and G01N 33/54391. All groups listed in this Warning should be considered in order to perform a 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 {of cervix} 33/57415 {of breast} 33/57419 {of colon} 33/57423 {of lung} 33/57424 {of skin, e.g. melanoma}
33/552 33/553 33/554 33/555 33/556 33/557	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, G01N 33/54389 and G01N 33/54391. All groups listed in this Warning should 	ATP} 33/574 for cancer NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407 {Specifically defined cancers} 33/57411 {of cervix} 33/57415 {of breast} 33/57419 {of colon} 33/57423 {of lung} 33/57424 {leukemia} 33/57434 {of skin, e.g. melanoma} 33/57434 {of prostate}
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33/552 33/553 33/554 33/555 33/556 33/557 33/558	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, G01N 33/54389 and G01N 33/54391. All groups listed in this Warning should be considered in order to perform a complete search. through a gel, e.g. Ouchterlony technique Immunoelectrophoresis 	NOTE
33/552 33/553 33/554 33/555 33/556 33/557 33/558 33/559 33/561 33/563	 the carrier being inorganic Glass or silica Metal or metal coated the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells Red blood cell Fixed or stabilised red blood cell using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction using diffusion or migration of antigen or antibody {(immunochromatographic test strips G01N 33/54387)} WARNING Group G01N 33/558 is impacted by reclassification into groups G01N 33/54387, G01N 33/54388, G01N 33/54389 and G01N 33/54391. All groups listed in this Warning should be considered in order to perform a complete search. through a gel, e.g. Ouchterlony technique Immunoelectrophoresis involving antibody fragments 	NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407
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33/552 33/553 33/554 33/555 33/556 33/557 33/558 33/559 33/561 33/563	 the carrier being inorganic Glass or silica Metal or metal coated Metal or metal coated 	NOTE In this group: • relevant features relating to a specifically defined cancer are only classified in groups G01N 33/57407 - G01N 33/57449 • relevant features describing cancer markers related to multiple forms of cancer are classified in groups G01N 33/57484 - G01N 33/57496 33/57407
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33/57484	• • • • {involving compounds serving as markers for tumor, cancer, neoplasia, e.g. cellular	33/6839 {involving dyes, e.g. Coomassie blue, bromcresol green}
	determinants, receptors, heat shock/stress	33/6842 {Proteomic analysis of subsets of protein
	proteins, A-protein, oligosaccharides, metabolites}	mixtures with reduced complexity, e.g. membrane proteins, phosphoproteins,
33/57488	• • • • {involving compounds identifable in	organelle proteins}
	body fluids}	33/6845 {Methods of identifying protein-protein
33/57492	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	interactions in protein mixtures}
33/57496	membrane of tumor or cancer cells} {involving intracellular compounds}	33/6848 {Methods of protein analysis involving mass spectrometry}
33/576	for hepatitis	33/6851 {Methods of protein analysis involving
33/5761	{Hepatitis B}	laser desorption ionisation mass
33/5762	• • • • • {Hepatitis B core antigen}	spectrometry}
33/5764	• • • • • {Hepatitis B surface antigen}	33/6854 {Immunoglobulins}
33/5765	• • • • {Hepatitis delta antigen}	33/6857 {Antibody fragments}
33/5767	• • • • {non-A, non-B hepatitis}	33/686 {Anti-idiotype}
33/5768	· · · · {Hepatitis A}	33/6863 {Cytokines, i.e. immune system proteins
33/577	• • • involving monoclonal antibodies {binding	modifying a biological response such as cell
	reaction mechanisms characterised	growth proliferation or differentiation, e.g.
	by the use of monoclonal antibodies;	TNF, CNF, GM-CSF, lymphotoxin, MIF or their receptors}
	monoclonal antibodies <u>per se</u> are classified	33/6866 {Interferon}
	with their corresponding antigens;	33/6869 {Interletion}
	(<u>G01N 33/53</u> - <u>G01N 33/576</u> take precedence)}	33/6872 {Interleukin}
33/579	involving limulus lysate	their receptors, e.g. including ion channels
33/58	involving limitus lysate involving labelled substances (G01N 33/53)	33/6875 {Nucleoproteins}
33/36	takes precedence)	33/6878 {in eptitope analysis}
33/581	• • • { with enzyme label (including co-enzymes,	33/6881 {from skin}
33/301	co-factors, enzyme inhibitors or substrates)}	33/6884 {from lung}
33/582	• • • { with fluorescent label }	33/6887 {from muscle, cartilage or connective tissue}
33/583	• • • { with non-fluorescent dye label }	33/689 {related to pregnancy or the gonads}
33/585	• • • { with a particulate label, e.g. coloured latex }	33/6893 {related to diseases not provided for
33/586	{Liposomes, microcapsules or cells}	elsewhere}
33/587	· · · · {Nanoparticles}	33/6896 {Neurological disorders, e.g. Alzheimer's
33/588	• • • { with semiconductor nanocrystal label, e.g.	disease}
	quantum dots}	33/70 involving creatine or creatinine
33/60	involving radioactive labelled substances	33/72 involving blood pigments, e.g. haemoglobin,
33/62	involving urea	bilirubin (or other porphyrins; involving occult
33/64	involving ketones	blood}
33/66	involving blood sugars, e.g. galactose	33/721 {Haemoglobin}
33/68	involving proteins, peptides or amino acids	33/723 {Glycosylated haemoglobin}
	{(involving lipoproteins G01N 33/92)}	33/725 {using peroxidative activity}
33/6803	• • • {General methods of protein analysis not	33/726 {Devices}
	limited to specific proteins or families of	33/728 {Bilirubin; including biliverdin}
	proteins}	33/74 involving hormones {or other non-cytokine
33/6806	{Determination of free amino acids}	intercellular protein regulatory factors such
33/6809	• • • • • {involving fluorescent derivatizing	as growth factors, including receptors to
	reagents reacting non-specifically with	hormones and growth factors}
33/6812	all amino acids} {Assays for specific amino acids}	33/743 { Steroid hormones } 33/746 { Erythropoetin }
33/6815	{containing sulfur, e.g. cysteine, cystine, methionine, homocysteine}	33/76 Human chorionic gonadotropin {including luteinising hormone, follicle stimulating
33/6818	{Sequencing of polypeptides}	hormone, thyroid stimulating hormone or
33/6821	{involving C-terminal degradation}	their receptors}
33/6824	{involving N-terminal degradation, e.g.	33/78 Thyroid gland hormones {, e.g. T3, T4,
	Edman degradation}	TBH, TBG or their receptors} 33/80 involving blood groups or blood types
33/6827	• • • • {Total protein determination, e.g. albumin in urine}	{or red blood cells (white blood cells
33/683	• • • • {involving metal ions}	G01N 33/56972)}
33/6833	(Copper, e.g. Folin-, Lowry-, biuret	33/82 involving vitamins {or their receptors}
	methods}	33/84 involving inorganic compounds or pH
33/6836	{Silver staining}	33/86 involving blood coagulating time {or factors, or their receptors}
		33/88 involving prostaglandins {or their receptors}

33/90	involving iron binding capacity of blood	2035/00247 • • • {Microvalves}
33/92	involving lipids, e.g. cholesterol {, lipoproteins,	2035/00257 {Capillary stop flow circuits}
	or their receptors (steroid hormones	2035/00267 {Meltable plugs}
	<u>G01N 33/743</u>)}	2035/00277 {Special precautions to avoid contamination (e.g.
33/94	• • • involving narcotics (or drugs or	enclosures, glove- boxes, sealed sample carriers,
	pharmaceuticals, neurotransmitters or	disposal of contaminated material)}
22/0406	associated receptors}	2035/00287 {movable lid/cover for sample or reaction
33/9406	{Neurotransmitters}	tubes}
33/9413 33/942	{Dopamine} {Serotonin, i.e. 5-hydroxy-tryptamine}	2035/00297 • • {Antistatic arrangements}
33/9426	{Serotonin, i.e. 3-nydroxy-tryptamine} {GABA, i.e. gamma-amino-butyrate}	2035/00306 • {Housings, cabinets, control panels (details)}
33/9433	{(Nor)adrenaline}	2035/00316 {Detecting door closure} 2035/00326 {Analysers with modular structure}
33/944	{Acetylcholine}	2035/00336 • • {Analysers with modular structure}
33/9446	{Antibacterials}	microgravity, i.e. spaceflight}
33/9453	• • • {Cardioregulators, e.g. antihypotensives,	2035/00346 • {Heating or cooling arrangements}
	antiarrhythmics}	2035/00356 • . {Holding samples at elevated temperature
33/946	{CNS-stimulants, e.g. cocaine,	(incubation)}
	amphetamines}	2035/00366 {Several different temperatures used}
33/9466	• • • {Antidepressants}	2035/00376 • • • {Conductive heating, e.g. heated plates}
33/9473	{Anticonvulsants, e.g. phenobarbitol,	2035/00386 {using fluid heat transfer medium}
22/049	phenytoin}	2035/00396 {where the fluid is a liquid}
33/948	• • • {Sedatives, e.g. cannabinoids, barbiturates (opiates <u>G01N 33/9486</u>)}	2035/00405 {Microwaves}
33/9486	• • • {Analgesics, e.g. opiates, aspirine}	2035/00415 {Other radiation}
33/9493	• • • {Immunosupressants}	2035/00425 • {Heating or cooling means associated with pipettes or the like, e.g. for supplying sample/
33/96	involving blood or serum control standard	reagent at given temperature}
33/98	• • • involving alcohol, e.g. ethanol in breath	2035/00435 {Refrigerated reagent storage}
25/00	A - 4 4 1 4 - 1	2035/00445 • • {Other cooling arrangements}
35/00	Automatic analysis not limited to methods or materials provided for in any single one of groups	2035/00455 {Controlling humidity in analyser}
	G01N 1/00 - G01N 33/00; Handling materials	2035/00465 • {Separating and mixing arrangements}
	therefor	2035/00475 • • {Filters}
35/00009	• {provided with a sample supporting tape, e.g. with	2035/00485 {combined with sample carriers}
	absorbent zones}	2035/00495 {Centrifuges}
	• • {cassette structures}	2035/00504 {combined with carousels}
35/00029	• {provided with flat sample substrates, e.g. slides	2035/00514 {Stationary mixing elements}
2025/00020	(G01N 35/028 takes precedence)	2035/00524 • • {Mixing by agitating sample carrier}
2035/00039	• • {Transport arrangements specific to flat sample substrates, e.g. pusher blade}	2035/00534 • • {Mixing by a special element, e.g. stirrer} 2035/00544 • • • {using fluid flow}
2035/00049	• • • {for loading/unloading a carousel}	2035/00554 {using ultrasound}
	• • {vacuum chucks}	2035/00564 • • {using untasound} { Handling or washing solid phase elements, e.g.
	• • {whereby the sample substrate is of the bio-disk	beads}
	type, i.e. having the format of an optical disk}	2035/00574 {Means for distributing beads}
2035/00079	• • {Evaporation covers for slides}	35/00584 • {Control arrangements for automatic analysers}
	• • {Magazines}	35/00594 {Quality control, including calibration or testing
	• • {Characterised by type of test elements}	of components of the analyser}
	• • • {Test strips, e.g. paper}	35/00603 {Reinspection of samples}
	• • • {for multiple tests}	35/00613 {Quality control}
	• • • { with pressing or squeezing devices }	35/00623 {of instruments}
	 {Slides} {Test cards, e.g. Biomerieux or McDonnel	2035/00633 {logging process history of individual samples}
2055/00148	multiwell test cards}	2035/00643 {detecting malfunctions in conveying
2035/00158	• • • {Elements containing microarrays, i.e.	systems}
	"biochip"}	2035/00653 {statistical methods comparing labs or
2035/00168	• • {Manufacturing or preparing test elements}	apparatuses}
2035/00178	• {Special arrangements of analysers}	35/00663 • • • • {of consumables}
	• • {the analyte being in the solid state}	2035/00673 {of reagents}
	• • {Dissolution analysers}	2035/00683 {of detectors}
	• • {Handling bulk quantities of analyte}	35/00693 {Calibration}
	• • {involving measurement of weight}	2035/00702 {Curve-fitting; Parameter matching;
	(3) # 1, 1 () () () () () () ()	Calibration constants
	{Monitoring a process (online)}	Calibration constants \ 35/00712 {Automatic status testing e.g. at start-up or
	 • • {Monitoring a process (online)} • {Handling microquantities of analyte, e.g. microvalves, capillary networks} 	Calibration constants \ 35/00712 • • • {Automatic status testing, e.g. at start-up or periodic}

35/00722	• • {Communications; Identification}	2035/0405 {manipulating closing or opening means,
35/00732	{Identification of carriers, materials or	e.g. stoppers, screw caps, lids or covers}
	components in automatic analysers}	2035/0406 • • • • {Individual bottles or tubes}
	• • • {Type of codes}	2035/0408 {connected in a flexible chain}
	{bar codes}	2035/041 { lifting items out of a rack for access}
	• • • • {magnetic code}	2035/0412 • • • • {Block or rack elements with a single row of
2035/00772	{mechanical or optical code other than bar	samples}
	code}	2035/0413 {moving in one dimension}
	• • • • {reprogrammmable code}	2035/0415 {moving in two dimensions in a horizontal
2035/00792	• • • {Type of components bearing the codes,	plane}
	other than sample carriers}	2035/0417 {forming an endless chain in a vertical
2035/00801	{Holders for sample carriers, e.g. trays,	plane}
2025/00011	caroussel, racks}	2035/0418 • • • • {Plate elements with several rows of
2035/00811	• • • • {consumable or exchangeable components other than sample carriers, e.g. detectors,	samples}
	flow cells }	2035/042 {moved independently, e.g. by fork manipulator}
2035/00821	• • • { nature of coded information }	2035/0422 {carried on a linear conveyor}
	{identification of the sample, e.g. patient	2035/0424 {Two or more linear conveyors}
2033/00031	identity, place of sampling}	2035/0425 {Stacks, magazines or elevators for plates}
2035/00841	• • • • {results of the analyses}	2035/0427 {psacks, magazines of elevators for places}
	• • • • {results of the unaryses}	2035/0429 {Sample carriers adapted for special
	• • • {printing and sticking of identifiers}	purposes}
	• • • (Communications between instruments or with	2035/0431 {characterised by material of construction}
22,000,1	remote terminals}	2035/0432 {integrated with measuring devices}
2035/00881	• • • {network configurations}	2035/0434 {in the form of a syringe or pipette tip}
	• • {Displaying information to the operator}	2035/0436 {with pre-packaged reagents, i.e. test-
2035/009	{alarms, e.g. audible}	packs}
2035/0091	{GUI [graphical user interfaces]}	2035/0437 {Cleaning cuvettes or reaction vessels}
35/0092	• • {Scheduling}	2035/0439 {Rotary sample carriers, i.e. carousels}
2035/0093	• • • {random access not determined by physical	2035/0441 • • • • {for samples}
	position}	2035/0443 {for reagents}
2035/0094	• • { optimisation; experiment design}	2035/0444 {for cuvettes or reaction vessels}
35/0095	• • { introducing urgent samples with priority, e.g.	2035/0446 {Combinations of the above}
	Short Turn Around Time Samples [STATS]}	2035/0448 {composed of interchangeable ring
2035/0096	• • • {post analysis management of samples, e.g.	elements}
	marking, removing, storing}	2035/0449 {using centrifugal transport of liquid}
2035/0097	• • {monitoring reactions as a function of time}	2035/0451 • • • {composed of interchangeable sectors}
35/0098	{involving analyte bound to insoluble magnetic	2035/0453 {Multiple carousels working in parallel}
	carrier, e.g. using magnetic separation (magnetic	2035/0455 {Coaxial carousels}
	particles used in immunoassays G01N 33/54326; magnetic separation in general B03C)}	2035/0456 {Spiral tracks}
35/0099	• {comprising robots or similar manipulators (robots	2035/0458 {Multiple concentric rows of wells}
33/0077	per se B25J)}	2035/046 {General conveyor features}
35/02	 using a plurality of sample containers moved by 	2035/0462 {Buffers [FIFO] or stacks [LIFO] for holding
	a conveyor system past one or more treatment	carriers between operations}
	or analysis stations {(G01N 35/0098 and	2035/0463 {in incubators}
	<u>G01N 35/0099</u> take precedence)}	2035/0465 {Loading or unloading the conveyor}
35/021	• • {having a flexible chain, e.g. "cartridge belt",	2035/0467 {Switching points ("aiguillages")}
	conveyor for reaction cells or cuvettes}	2035/0468 {converging, e.g. selecting carriers from multiple incoming streams}
2035/023	• • • {forming cuvettes <u>in situ</u> , e.g. from plastic	2035/047 {diverging, e.g. sending carriers to
25/025	strip}	different analysers}
35/025	• • {having a carousel or turntable for reaction cells	2035/0472 {for selective recirculation of carriers}
25/026	or cuvettes}	2035/0474 {Details of actuating means for conveyors or
35/026	 {having blocks or racks of reaction cells or cuvettes} 	pipettes}
35/028	• {having reaction cells in the form of	2035/0475 {electric, e.g. stepper motor, solenoid}
33/020	microtitration plates }	2035/0477 {Magnetic}
35/04	Details of the conveyor system	2035/0479 {hydraulic or pneumatic}
•	$\{(G01N 35/021 - G01N 35/028 \text{ take precedence})\}$	2035/0481 {Pneumatic tube conveyors; Tube mails;
2035/0401	• • {Sample carriers, cuvettes or reaction vessels}	"Rohrpost"}
2035/0403	{Sample carriers with closing or sealing	2035/0482 {Transmission}
	means}	2035/0484 {Belt or chain}
		2035/0486 {Gearing, cams}

	• • • • {Helix or lead screw}	35/1079	• • {with means for piercing stoppers or septums}
	{Self-propelled units}	35/1081	• • {characterised by the means for relatively
2035/0491	• • • • {Position sensing, encoding; closed-loop		moving the transfer device and the containers
	control}		in an horizontal plane (<u>G01N 35/1011</u> takes
2035/0493	Locating samples; identifying different	25/1002	precedence)}
	tube sizes}	35/1083	• • { with one horizontal degree of freedom }
2035/0494	{Detecting or compensating piositioning	2035/1086	{Cylindrical, e.g. variable angle}
2025/0406	errors}	2035/1088	{Coaxial with a carousel}
	• • • {Other details}	35/109	• • • {with two horizontal degrees of freedom}
2035/0498	• • • {Drawers used as storage or dispensing means for vessels or cuvettes}	2035/1093	Cylindrical, e.g. variable radius and angle
35/08	using a stream of discrete samples flowing along a	35/1095	• • {for supplying the samples to flow-through analysers (for a specific analyser see relevant
33/08	tube system, e.g. flow injection analysis		groups, e.g. under G01N 15/00, G01N 21/00,
35/085	• • {Flow Injection Analysis}		G01N 27/00, G01N 30/00, H01J 49/00)}
35/10	 Devices for transferring samples {or any liquids} 	35/1097	{characterised by the valves (valves in general
33/10	to, in, or from, the analysis apparatus, e.g. suction		<u>F16K</u>)}
	devices, injection devices {(G01N 35/0099 takes	2=100	
	precedence)}	37/00	Details not covered by any other group of this
35/1002	• • {Reagent dispensers}	27/005	subclass
35/1004	• • {Cleaning sample transfer devices}	37/005	• {Measurement methods not based on established
2035/1006	• • • {Rinsing only the inside of the tip}		scientific theories}
35/1009	{Characterised by arrangements for controlling	2201/00	Features of devices classified in G01N 21/00
	the aspiration or dispense of liquids}	2201/02	Mechanical
35/1011	• • • {Control of the position or alignment of the	2201/021	Special mounting in general
	transfer device}		Liquid borne; swimming apparatus
2035/1013	• • • {Confirming presence of tip}		Airborne
35/1016	• • • {Control of the volume dispensed or		Vehicle borne
	introduced}		Submersible, submarine
2035/1018	{Detecting inhomogeneities, e.g. foam,	2201/022	Casings
	bubbles, clots}		Portable; cableless; compact; hand-held
2035/102	• {Preventing or detecting loss of fluid by		Pocket size
2025/1022	dripping}		Pivoting casing
	{using a valve in the tip or nozzle}		• • • Part of casing being slidable, telescopic
	{Fluid level sensing}		Sealable enclosure
2035/1027	{General features of the devices}		Moulded parts
2035/103	(Dilution on alimentia)	2201/023	Controlling conditions in casing
	{Dilution or aliquotting}	2201/0231	Thermostating
	 {Transferring microquantities of liquid} {Using surface tension, e.g. pins or wires}	2201/0233	Gas purge
	{Using surface tension, e.g. pins of wires} {Micropipettes, e.g. microcapillary tubes}		with gas filters in casing
	{Ink-jet like dispensers}	2201/0236	Explosion proof
	{Using pneumatic means}	2201/0238	Moisture monitoring or controlling
	{Using pheumatic means} {Levitated, suspended drops}	2201/024	Modular construction
	 {Levitated, suspended drops} {using the transfer device for another function}	2201/0245	with insertable-removable part
	{for transporting containers, e.g. retained by	2201/025	Mechanical control of operations
2033/1031	friction }	2201/0253	Switches mounted at the casing
2035/1053	• • • {for separating part of the liquid, e.g. filters,	2201/0256	Sensor for insertion of sample, cuvette, test
2033/1033	extraction phase}		strip
2035/1055	• • • {for immobilising reagents, e.g. dried	2201/04	Batch operation; multisample devices
2033/1033	reagents}	2201/0407	• • with multiple optical units, e.g. one per sample
2035/1058	{for mixing}	2201/0415	Carrusel, sequential
2035/106	• • • {by sucking and blowing}	2201/0423	• • with rotating optics
2035/1062	• • • {for testing the liquid while it is in the	2201/043	optics constituted by optical fibre multiplex
	transfer device}		selector
35/1065	• • {Multiple transfer devices}	2201/0438	Linear motion, sequential
35/1067	{for transfer to or from containers having	2201/0446	Multicell plate, sequential
	different spacing}	2201/0453	Multicell sequential and multitest, e.g.
2035/1069	• • • • {by adjusting the spacing between multiple		multiwavelength
	probes of a single transferring head}		Simultaneous, e.g. video imaging
35/1072	• • • {with provision for selective pipetting of		• One cell, sequential, e.g. successive samples
	individual channels}	2201/0476	Keyboard controlled, e.g. for plural analysis at
35/1074	• • {arranged in a two-dimensional array}	0001/0101	one sample, channel selection, coding
2035/1076	• • • {plurality or independently movable heads}	2201/0484	Computer controlled

2201/0402 Automatical migraceans	2201/0601 Modulated (not pulsed supply)
2201/0492 • Automatised microscope	2201/0691 Modulated (not pulsed supply)
2201/06 • Illumination; Optics 2201/061 • Sources	2201/0692 Regulated sources; stabilised supply 2201/0693 Battery powered circuitry
2201/06106 Plural sources used for calibration	
2201/06113 Coherent sources; lasers	2201/0694 Microprocessor controlled supply 2201/0695 Supply to maintain constant beam intensity
2201/0612 Laser diodes	***
2201/06126 Large diffuse sources	
2201/06133 Light tables	2201/0698 Using reference pulsed source
2201/0614 Diffusing light tube with sample within	2201/0699 Randomly pulsed source
2201/06146 • • • Multisources for homogeneisation, as well sequential as simultaneous operation	2201/08 • Optical fibres; light guides
	2201/0806 Light rod
2201/06153 the sources being LED's	2201/0813 . Arrangement of collimator tubes, glass or empty
2201/0616 Ambient light is used	2201/082 . Fibres for a reference path
2201/06166 Line selective sources	2201/0826 . Fibre array at source, distributing
2201/06173 IR sources from heated molecular species	2201/0833 . Fibre array at detector, resolving
2201/0618 Halogene sources	2201/084 . Fibres for remote transmission
2201/06186 Resistance heated; wire sources; lamelle sources	2201/0846 • Fibre interface with sample, e.g. for spatial resolution
2201/06193 Secundary <u>in-situ</u> sources, e.g. fluorescent	2201/0853 • Movable fibre optical member, e.g. for scanning
particles	or selecting
2201/062 LED's	2201/086 Modular construction, e.g. disconnectable fibre
2201/0621 Supply	parts
2201/0622 Use of a compensation LED	2201/0866 Use of GRIN elements
2201/0623 Use of a reference LED	2201/0873 Using optically integrated constructions
2201/0624 Compensating variation in output of LED	2201/088 Using a sensor fibre
source	2201/0886 and using OTDR
2201/0625 Modulated LED	2201/0893 Using fibres for resolution in time
2201/0626 Use of several LED's for spatial resolution	2201/10 • Scanning
2201/0627 Use of several LED's for spectral resolution	2201/101 • • Scanning measuring head
2201/0628 Organic LED [OLED]	2201/102 Video camera
2201/063 Illuminating optical parts	2201/103 Scanning by mechanical motion of stage
2201/0631 Homogeneising elements	2201/1035 3D motion
2201/0632 homogeneising by integrating sphere	2201/104 . Mechano-optical scan, i.e. object and beam
2201/0633 Directed, collimated illumination	moving
2201/0634 Diffuse illumination	2201/1042 X, Y scan, i.e. object moving in X, beam in Y
2201/0635 Structured illumination, e.g. with grating	2201/1045 Spiral scan
2201/0636 Reflectors	2201/1047 with rotating optics and moving stage
2201/0637 Elliptic	2201/105 • Purely optical scan
2201/0638 Refractive parts	2201/1053 System of scan mirrors for composite motion of
2201/0639 Sphere lens	beam
2201/064 Stray light conditioning	2201/1056 Prism scan, diasporameter
2201/0642 Light traps; baffles	2201/106 • Acousto-optical scan
2201/0644 Simple baffled tube construction	2201/107 . CRT flying spot scan
2201/0646 Light seals	2201/108 Miscellaneous
2201/0648 Shutters	2201/1082 Descanning
2201/065 . Integrating spheres	2201/1085 Using optical fibre array and scanner
2201/0655 Hemispheres	2201/1087 Focussed scan beam, e.g. laser
2201/066 • Modifiable path; multiple paths in one sample	2201/11 Monitoring and controlling the scan
2201/0662 Comparing measurements on two or more	2201/112 Grating pulse time encoder
paths in one sample	2201/115 Optical equalisation of scan intensity
2201/0664 Using two ways, i.e. two devices in same path	2201/117 Indexed, memorised or programmed scan
in one sample	2201/12 • Circuits of general importance; Signal processing
2201/0666 Selectable paths; insertable multiple sources	2201/121 • Correction signals
2201/0668 Multiple paths; optimisable path length	2201/1211 for temperature
2201/067 • Electro-optic, magneto-optic, acousto-optic	2201/1212 and switch-off from upwarming
elements	2201/1214 for humidity
2201/0675 SLM	2201/1215 for interfering gases
2201/068 • Optics, miscellaneous	2201/1217 for index of solution, carrying fluids
2201/0683 Brewster plate; polarisation controlling	2201/1218 for index of solution, carrying fluids
elements	2201/1218 for pressure variations 2201/122 Kinetic analysis; determining reaction rate
2201/0686 Cold filter; IR filter	2201/122 Endpoint determination; reaction time
2201/069 • • Supply of sources	determination
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2201/1224		2202/0014	T
	Polymerisation		Type of force applied
2201/1226	Relaxation methods, e.g. temperature jump,		Tensile or compressive
2201/1229	field jump		Tensile
2201/1228	Reading time being controlled, e.g. by microprocessor		Compressive
2201/123	Conversion circuit	2203/0021	
		2203/0023	Bending
	Log representation, e.g. for low transmittance	2203/0025	Shearing
2201/1233	Measuring or displaying selectably absorbance or density		Combination of several types of applied forces
2201/1227	Measuring extrema		Rotation and bending
2201/1237		2203/003	Generation of the force
			using mechanical means
	Multirange		Weight
2201/1242	Validating, e.g. range invalidation, suspending operation		Spring
2201/1244		2203/0037	involving a rotating movement, e.g. gearing,
2201/1244	Averaging several measurements		cam, eccentric, or centrifuge effects
2201/1243	Thresholding		Hammer or pendulum
2201/1247	Validating from signal shape, slope, peak		Human or animal power
2201/1248			Pneumatic or hydraulic means
	· · · · · · · · · · · · · · · · · · ·		Pneumatic means
2201/126	. Microprocessor processing		Vacuum
2201/1263	Microprocessor is used as variant to separate part circuits		Hydraulic means
2201/1266	Interface card		Electromagnetic means
	Calibration; base line adjustment; drift		Piezoelectric means
2201/127	compensation		Cutting or drilling tools
2201/12707	Pre-test of apparatus, e.g. dark test, sensor test	2203/0055	using mechanical waves, e.g. acoustic
	·	2203/0057	• using stresses due to heating, e.g. conductive
	Zero adjustment, i.e. to verify calibration		heating, radiative heating
2201/12/23	Self check capacity; automatic, periodic step of checking	2203/0058	Kind of property studied
2201/1273	Check triggered by sensing conditions, e.g.	2203/006	. Crack, flaws, fracture or rupture
2201/12/3	ambient changes	2203/0062	Crack or flaws
2201/12738	Selectively initiating check	2203/0064	Initiation of crack
	Calibration values determination	2203/0066	Propagation of crack
	and storage	2203/0067	Fracture or rupture
	Precalibration, e.g. for a given series of	2203/0069	Fatigue, creep, strain-stress relations or elastic
2201/12/01	reagents		constants
2201/12760	and adjusting controls, e.g. zero and 100 %	2203/0071	Creep
	Automatic scaling up	2203/0073	Fatigue
	Base line obtained from computation,	2203/0075	Strain-stress relations or elastic constants
2201/12/04	histogram	2203/0076	Hardness, compressibility or resistance to
2201/12702	Compensating own radiation in apparatus		crushing
	Alternating sample and standard or reference part	2203/0078	• • using indentation
2201/126	in one path	2203/008	Residual indentation measurement
2201/1281	Reflecting part, i.e. for autocollimation	2203/0082	Indentation characteristics measured during
2201/1281	Opaque part		load
	Standard cuvette	2203/0083	Rebound strike or reflected energy
2201/1285 2201/1286	More than one cuvette	2203/0085	Compressibility
2201/1288	Calibration medium periodically inserted in one	2203/0087	Resistance to crushing
2201/1200	cell	2203/0089	Biorheological properties
2201/129		2203/0091	• Peeling or tearing
2201/129	resolving multicomponent spectra	2203/0092	Visco-elasticity, solidification, curing, cross-
2201/1295	resorving municomponent spectra using neural networks		linking degree, vulcanisation or strength
2201/1296	Standards, constitution		properties of semi-solid materials
2201/13	• • Standards, Constitution		Visco-elasticity
2203/00	Investigating strength properties of solid materials		Fibre-matrix interaction in composites
	by application of mechanical stress	2203/0098	• Tests specified by its name, e.g. Charpy, Brinnel,
2203/0001	Type of application of the stress		Mullen
2203/0003	Steady	2203/02	Details not specific for a particular testing method
2203/0005	Repeated or cyclic	2203/0202	• Control of the test
2203/0007	Low frequencies up to 100 Hz	2203/0204	Safety arrangements, e.g. remote control,
2203/0008	High frequencies from 10 000 Hz		emergency stop
2203/001	Impulsive		
2203/0012	Constant speed test		
	-		

2203/0206	 Means for supplying or positioning specimens 	2203/0411	using pneumatic or hydraulic pressure
	or exchangeable parts of the machine such as	2203/0417	using vacuum
	indenters	2203/0423	using screws
2203/0208	 Specific programs of loading, e.g. incremental 	2203/0429	using adhesive bond; Gluing
	loading or pre-loading		modifying the type of the force applied, e.g. the
2203/021	 Treatment of the signal; Calibration 		chuck transforms a compressive machine for
2203/0212	Theories, calculations		applying a bending test
2203/0214	Calculations a priori without experimental	2203/0441	
	data		Holders for quick insertion/removal of test
2203/0216	Finite elements	2203/011/	pieces
	Calculations based on experimental data	2203/0452	Cushioning layer between test piece and grip
	Environment of the test	2203/0458	characterised by their material
	. Temperature	2203/0456	with provisions for testing more than one
	Temperature Thermal cycling	2203/0404	specimen at the time
	High temperature; Heating means	2203/047	•
	. Low temperature; Cooling means		in parallel
2203/023			comprising sensing means
2203/0232			Diamond anvil cells
	Low pressure; Vacuum	2203/0494	Clamping ring, "whole periphery" clamping
2203/0236	• Other environments		Indicating or recording means; Sensing means
2203/0238	Inert	2203/0605	Mechanical indicating, recording or sensing
2203/024	Corrosive		means
2203/0242	With circulation of a fluid	2203/0611	Hydraulic or pneumatic indicating, recording or
2203/0244	• Tests performed "in situ" or after "in situ" use		sensing means
	Special simulation of "in situ" conditions,	2203/0617	Electrical or magnetic indicating, recording or
2200/02:0	scale models or dummies		sensing means
2203/0248	• Tests "on-line" during fabrication	2203/0623	using piezoelectric gauges
	Geometry of the test	2203/0629	using thin films, paintings
	• Monoaxial, i.e. the forces being applied along a		using magnetic properties
2203/0232 • •	single axis of the specimen		using optical, X-ray, ultraviolet, infrared or
2202/0254	-	2203/0041	similar detectors
2203/0254	Biaxial, the forces being applied along two	2203/0647	Image analysis
2202/0256	normal axes of the specimen		
2203/0256	Triaxial, i.e. the forces being applied along	2203/0652	using contrasting ink, painting, staining
2202/0250	three normal axes of the specimen	2203/0658	using acoustic or ultrasonic detectors
2203/0258	• Non axial, i.e. the forces not being applied	2203/0664	using witness specimens
	along an axis of symmetry of the specimen	2203/067	Parameter measured for estimating the property
	Specifications of the specimen	2203/0676	Force, weight, load, energy, speed or
	Shape of the specimen		acceleration
2203/0264	Beam	2203/0682	Spatial dimension, e.g. length, area, angle
2203/0266	Cylindrical specimens	2203/0688	Time or frequency
2203/0268	Dumb-bell specimens	2203/0694	Temperature
2203/027	Specimens with holes or notches	2222/00	Towards of a superior laboratory and the
2203/0272	Cruciform specimens	2223/00	Investigating materials by wave or particle
	Tubular or ring-shaped specimens	2222/01	radiation
	Spherical specimens	2223/01	by radioactivity, nuclear decay
	. Thin specimens	2223/03	• by transmission
	One dimensional, e.g. filaments, wires,	2223/04	and measuring absorption
2203/020	ropes or cables	2223/041	X-ray absorption fine structure [EXAFS]
2202/0292	• • • Two dimensional, e.g. tapes, webs, sheets,	2223/043	gamma ray resonance absorption (Mossbauer
2203/0282 • •	strips, disks or membranes		effect)
2202/0204		2223/045	• combination of at least 2 measurements
	Bulk material, e.g. powders		(transmission and scatter)
2203/0286	• Miniature specimen; Testing on microregions	2223/05	by diffraction, scatter or reflection
2202/2222	of a specimen	2223/051	correcting for scatter
	• Springs	2223/052	reflection
	Leaf spring	2223/053	back scatter
	Coil spring	2223/054	small angle scatter
2203/0294	• • Airs-spring, air bag spring or bellows	2223/055	scatter raster collimator
2203/0296	• Welds		
2203/0298	Manufacturing or preparing specimens	2223/056	diffraction
	Chucks, fixtures, jaws, holders or anvils	2223/0561	diffraction cameras
	• Features allowing alignment between specimen	2223/0563	measure of energy-dispersion spectrum of
	and chucks		diffracted radiation
		2223/0565	diffraction of electrons, e.g. LEED

2222/0566	1 1100 1100	2222/207
2223/0566	• • • analysing diffraction pattern	2223/307 cuvettes-sample holders
2223/0568	spectro-diffractometry	2223/3075 correcting for the properties of the container,
2223/063	inelastic scatter, e.g. Compton effect	e.g. empty
2223/064	interference of radiation, e.g. Borrmann effect	2223/308 • support of radiation source
2223/07	secondary emission	2223/309 support of sample holder
2223/071	combination of measurements, at least 1	2223/31 temperature control
	secondary emission	2223/3103 cooling, cryostats
2223/072	combination of measurements, 2 kinds of	2223/3106 heating, furnaces
	secondary emission	2223/311 high pressure testing, anvil cells
2223/073	use of a laser	2223/312 powder preparation
2223/074	activation analysis	2223/313 • filters, rotating filter disc
2223/0745	neutron-gamma activation analysis	2223/314 chopper
2223/076	X-ray fluorescence	2223/315 monochromators
2223/0763	Compton background correcting	2223/316 • • collimators
2223/0766	X-ray fluorescence with indicator, tags	2223/317 windows
2223/079	incident electron beam and measuring excited X-	2223/318 protective films
	rays	2223/319 using opaque penetrant medium
2223/08	incident electron beam and measuring cathode	2223/32 adjustments of elements during operation
	luminescence (U.V.)	2223/321 manipulator for positioning a part
2223/081	incident ion beam, e.g. proton	2223/322 immerged detecting head
2223/0813	incident ion beam and measuring X-rays	2223/323 irradiation range monitor, e.g. light beam
	[PIXE]	2223/33 scanning, i.e. relative motion for measurement of
2223/0816	incident ion beam and measuring secondary ion	successive object-parts
	beam [SIMS]	2223/3301 beam is modified for scan, e.g. moving
2223/084	photo-electric effect	collimator
2223/085	photo-electron spectrum [ESCA, XPS]	2223/3302 object and detector fixed
2223/086	Auger electrons	2223/3303 object fixed; source and detector move
2223/09	exo-electron emission	2223/3304 helicoidal scan
2223/095	. tribo-emission	2223/3305 detector fixed; source and body moving
2223/10	Different kinds of radiation or particles	2223/3306 object rotates
2223/1003	monochromatic	2223/3307 source and detector fixed; object moves
2223/1006	different radiations, e.g. X and alpha	2223/3308 object translates
2223/101	electromagnetic radiation	2223/331 . rocking curve analysis
2223/1013	gamma	2223/335 electronic scanning
2223/1016	X-ray	2223/34 sensing means for gap between source and
2223/102	beta or electrons	detector
2223/104	ions	2223/345 mathematical transformations on beams or
2223/1045	alpha	signals, e.g. Fourier
2223/105	molecular or atomic beams	2223/348 ellipsoidal collector
2223/106	neutrons	2223/351 prohibiting charge accumulation on sample
2223/1063	fast	substrate
2223/1066	thermal	2223/40 . Imaging
2223/107	• • protons	2223/401 image processing
2223/108	positrons; electron-positron annihilation	2223/402 mapping distribution of elements
2223/11	neutrino	2223/403 mapping with false colours
2223/20	Sources of radiation	2223/404 contrast medium
2223/201	betatron	2223/405 mapping of a material property
2223/202	isotopes	2223/406 fluoroscopic image
2223/203	• • synchrotron	2223/407 stimulable phosphor sheet
2223/204	source created from radiated target	2223/408 display on monitor
2223/205	natural source	2223/409 embedding or impregnating the object
2223/206	sources operating at different energy levels	2223/41 imaging specifically internal structure
2223/30	Accessories, mechanical or electrical features	2223/411 tv imaging from fluorescent screen
2223/301	portable apparatus	2223/412 use of image converter tube [PMT]
2223/302	comparative arrangements	2223/413 sensor array [CCD]
2223/303	calibrating, standardising	2223/414 stereoscopic system
2223/3032	• • • periodic calibration, e.g. with filter wheel	2223/415 radiographic film
2223/3035	phantom	2223/416 wrap around
2223/3037	standards (constitution)	2223/417 recording with co-ordinate markings
2223/304	electric circuits, signal processing	2223/418 electron microscope
2223/305	computer simulations	2223/419 computed tomograph
2223/306	computer control	2223/42 image digitised, -enhanced in an image processor
-/	F **** *** ***	

2223/421	digitised image, analysed in real time (recognition	2223/634	• wear behaviour, roughness
	algorithms)	2223/635	fluids, granulates
2223/422	windows within the image	2223/636	fluid sample with radioactive sources
2223/423	multispectral imaging-multiple energy imaging	2223/637	liquid
2223/424	energy substraction image processing (dual	2223/638	• • gas
	energy processing)	2223/639	material in a container
2223/425	temporal (time difference) substraction	2223/64	multiple-sample chamber, multiplicity of
	processing		materials
2223/426	image comparing, unknown with known	2223/641	• particle sizing
	substance	2223/642	moving sheet, web
2223/427	• stepped imaging (selected area of sample is	2223/6425	correcting for web flutter
	changed)	2223/643	object on conveyor
2223/50	. Detectors	2223/645	quality control
2223/501	array	2223/646	flaws, defects
2223/5015	linear array	2223/6462	microdefects
2223/502	ionisation chamber	2223/6464	radioactive substance into defect site
2223/503	auxiliary reference detector	2223/6466	flaws comparing to predetermined standards
2223/504	pin-diode	2223/6468	at different temperatures
2223/505	• • scintillation	2223/647	. leak detection
2223/5055	scintillation crystal coupled to PMT	2223/648	• voids
2223/506	time-of-flight	2223/649	• porosity
2223/507	secondary-emission detector	2223/65	1 2
2223/508	photo-acoustic		cavitation pits
2223/509	infrared	2223/651	• dust
2223/60	Specific applications or type of materials	2223/652	impurities, foreign matter, trace amounts
2223/601	. density profile	2223/66	multiple steps inspection, e.g. coarse/fine
2223/602	crystal growth	2291/00	Indexing codes associated with group G01N 29/00
2223/603	superlattices	2291/01	Indexing codes associated with the measuring
2223/604	superiattices monocrystal	, , , , ,	variable
2223/605	-	2291/011	Velocity or travel time
	• phases	2291/012	Phase angle
2223/606	• texture	2271/012	• • Thase ungle
2222/607		2291/014	Resonance or resonant frequency
2223/607	strain	2291/014	Resonance or resonant frequency Attenuation scattering
2223/608	superconductors	2291/015	Attenuation, scattering
2223/608 2223/61	superconductorsthin films, coatings	2291/015 2291/017	Attenuation, scatteringDoppler techniques
2223/608 2223/61 2223/611	superconductorsthin films, coatingspatterned objects; electronic devices	2291/015 2291/017 2291/018	. Attenuation, scattering. Doppler techniques. Impedance
2223/608 2223/61 2223/611 2223/6113	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] 	2291/015 2291/017	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed
2223/608 2223/61 2223/611 2223/6113 2223/6116	superconductorsthin films, coatingspatterned objects; electronic devices	2291/015 2291/017 2291/018 2291/02	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material
2223/608 2223/61 2223/611 2223/6113	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] 	2291/015 2291/017 2291/018 2291/02	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases
2223/608 2223/61 2223/611 2223/6113 2223/6116	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212 2291/0215	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612 2223/6123	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212 2291/0215 2291/0217	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212 2291/0215 2291/0217 2291/022	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212 2291/0217 2291/022 2291/022	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0212 2291/0215 2291/0217 2291/022 2291/0222 2291/0224	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids
2223/608 2223/61 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0226	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils
2223/608 2223/61 2223/611 2223/6113 2223/612 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/616 2223/617	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0217 2291/022 2291/0224 2291/0226 2291/0228	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/612 2223/613 2223/614 2223/615 2223/616	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0228 2291/023	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0228 2291/023	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids
2223/608 2223/61 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/616 2223/617 2223/618 2223/619 2223/62	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0228 2291/023 2291/0231	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0226 2291/023 2291/0231 2291/0232	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0217 2291/022 2291/0222 2291/0224 2291/0226 2291/023 2291/0231 2291/0232 2291/0234	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/622 2223/623	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0215 2291/022 2291/0222 2291/0224 2291/0226 2291/023 2291/0231 2291/0234 2291/0234 2291/0235	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/622 2223/623 2223/623 2223/624	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings 	2291/015 2291/017 2291/018 2291/02 2291/021 2291/0215 2291/0215 2291/022 2291/0222 2291/0224 2291/0226 2291/023 2291/0231 2291/0234 2291/0234 2291/0235	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/622 2223/623 2223/624 2223/625	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0224 2291/0228 2291/023 2291/0231 2291/0234 2291/0235 2291/0235	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin
2223/608 2223/61 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/022 2291/0224 2291/0224 2291/0228 2291/023 2291/0231 2291/0235 2291/0235 2291/0237	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/62 2223/621 2223/623 2223/624 2223/625 2223/626 2223/626	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label 	2291/015 2291/017 2291/018 2291/02 2291/0212 2291/0215 2291/0217 2291/022 2291/0224 2291/0224 2291/0228 2291/023 2291/0231 2291/0232 2291/0235 2291/0237 2291/0238 2291/0237	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/626 2223/626 2223/627	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0222 2291/0224 2291/0228 2291/0231 2291/0231 2291/0232 2291/0235 2291/0237 2291/0238 2291/0238 2291/024024 2291/02408	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/627 2223/627 2223/628	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0215 2291/0222 2291/0222 2291/0224 2291/0228 2291/023 2291/0231 2291/0232 2291/0235 2291/0237 2291/0238 2291/024 2291/02408 2291/02408 2291/02416	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/621 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/627 2223/628 2223/629	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes welds, bonds, sealing compounds 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0224 2291/0232 2291/0231 2291/0234 2291/0235 2291/0237 2291/0238 2291/0238 2291/02408 2291/02408 2291/02416 2291/02425	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids Liquids in gases, e.g. sprays
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/626 2223/627 2223/628 2223/629 2223/63	 thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes welds, bonds, sealing compounds turbine blades 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0224 2291/0233 2291/0231 2291/0234 2291/0235 2291/0237 2291/0238 2291/02408 2291/02408 2291/02408 2291/02425 2291/02433	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids Liquids in gases, e.g. sprays Gases in liquids, e.g. bubbles, foams
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/616 2223/617 2223/618 2223/621 2223/622 2223/622 2223/623 2223/624 2223/625 2223/626 2223/626 2223/627 2223/628 2223/629 2223/63 2223/63 2223/63 2223/63 2223/63	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes welds, bonds, sealing compounds turbine blades large structures, walls 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0224 2291/0232 2291/0231 2291/0234 2291/0235 2291/0237 2291/0238 2291/02408 2291/02408 2291/02408 2291/02425 2291/02433 2291/02441	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids Liquids in gases, e.g. sprays Gases in liquids, e.g. bubbles, foams Liquids in porous solids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/6126 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/62 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/626 2223/627 2223/627 2223/628 2223/629 2223/631 2223/631 2223/631	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes welds, bonds, sealing compounds turbine blades large structures, walls residual life, life expectancy 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0228 2291/023 2291/0231 2291/0235 2291/0237 2291/0238 2291/0237 2291/02408 2291/02441 2291/02441 2291/0245	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids Liquids in gases, e.g. sprays Gases in liquids, e.g. bubbles, foams Liquids in porous solids Gases in porous solids
2223/608 2223/611 2223/6113 2223/6116 2223/612 2223/6123 2223/613 2223/614 2223/615 2223/616 2223/617 2223/618 2223/619 2223/621 2223/622 2223/623 2223/624 2223/625 2223/626 2223/626 2223/626 2223/627 2223/628 2223/629 2223/63 2223/63 2223/63 2223/63 2223/63	 superconductors thin films, coatings patterned objects; electronic devices printed circuit board [PCB] semiconductor wafer biological material bone mineral tissue moisture road surface composite materials, multilayer laminates earth materials ash in coal food wood powders tobacco paper plastics steel, castings nuclear fuels, laser imploded targets radioactive material sample with radioactive tracer, tag, label tyres tubes, pipes welds, bonds, sealing compounds turbine blades large structures, walls 	2291/015 2291/017 2291/018 2291/021 2291/0212 2291/0215 2291/0217 2291/0222 2291/0224 2291/0228 2291/023 2291/0231 2291/0235 2291/0237 2291/0238 2291/0237 2291/02408 2291/02441 2291/02441 2291/0245	 Attenuation, scattering Doppler techniques Impedance Indexing codes associated with the analysed material Gases Binary gases Mixtures of three or more gases, e.g. air Smoke, combustion gases Liquids Binary liquids Mixtures of three or more liquids Oils, e.g. engine oils Aqueous liquids Solids Composite or layered materials Glass, ceramics, concrete or stone Metals, e.g. steel Plastics; polymers; soft materials, e.g. rubber Thin materials, e.g. paper, membranes, thin films Wood Mixtures Solids in gases, e.g. particle suspensions Solids in liquids Liquids in gases, e.g. sprays Gases in liquids, e.g. bubbles, foams Liquids in porous solids

2291/02466 Biological material, e.g. blood	2291/26	Scanned objects
2291/02475 Tissue characterisation	2291/262	Linear objects
2291/02483 Other human or animal parts, e.g. bones	2291/2623	Rails; Railroads
2291/02491 Materials with nonlinear acoustic properties	2291/2626	Wires, bars, rods
2291/025 . Change of phase or condition	2291/263	Surfaces
2291/0251 Solidification, icing, curing composites,	2291/2632	flat
polymerisation	2291/2634	cylindrical from outside
2291/0252 Melting, molten solids	2291/2636	cylindrical from inside
2291/0253 Condensation	2291/2638	Complex surfaces
2291/0254 Evaporation	2291/265	Spherical objects
2291/0255 (Bio)chemical reactions, e.g. on biosensors	2291/267	Welds
2291/0256 Adsorption, desorption, surface mass change,	2291/2672	Spot welding
e.g. on biosensors	2291/2675	Seam, butt welding
2291/0257 with a layer containing at least one organic	2291/2677	Lapp welding
compound	2291/269	Various geometry objects
2291/0258 Structural degradation, e.g. fatigue of	2291/2691	Bolts, screws, heads
composites, ageing of oils	2291/2692	Tyres
2291/028 Material parameters	2291/2693	Rotor or turbine parts
2291/02809 Concentration of a compound, e.g. measured by	2291/2694	Wings or other aircraft parts
a surface mass change	2291/2695	Bottles, containers
2291/02818 Density, viscosity	2291/2696	Wheels, Gears, Bearings
2291/02827 Elastic parameters, strength or force	2291/2697	Wafer or (micro)electronic parts
2291/02836 Flow rate, liquid level	2291/2698	Other discrete objects, e.g. bricks
2291/02845 Humidity, wetness		• •
2291/02854 Length, thickness	2333/00	Assays involving biological materials from specific
2291/02863 Electric or magnetic parameters		organisms or of a specific nature
2291/02872 Pressure		NOTE
2291/02881 Temperature		In groups <u>G01N 2333/47</u> - <u>G01N 2333/994</u>
2291/0289 Internal structure, e.g. defects, grain size,		indexing codes are assigned according to the
texture		chemical nature of the materials irrespective of the
2291/04 • Wave modes and trajectories		
The state of the s		source organism.
2291/042 • • Wave modes	2222/024	source organism.
2291/0421 Longitudinal waves	2333/001	by chemical synthesis
2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally	2333/003	by chemical synthesis of Peptide-nucleic acids (PNAs)
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 	2333/003 2333/005	by chemical synthesisof Peptide-nucleic acids (PNAs)from viruses
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love 	2333/003 2333/005 2333/01	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 	2333/003 2333/005	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus,
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 2291/0425 Parallel to the surface, e.g. creep waves 	2333/003 2333/005 2333/01 2333/015	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 2291/0425 Parallel to the surface, e.g. creep waves 2291/0426 Bulk waves, e.g. quartz crystal microbalance, 	2333/003 2333/005 2333/01 2333/015 2333/02	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 2291/0425 Parallel to the surface, e.g. creep waves 2291/0426 Bulk waves, e.g. quartz crystal microbalance, torsional waves 	2333/003 2333/005 2333/01 2333/015	by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus Papovaviridae, e.g. papillomavirus,
 2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 2291/0425 Parallel to the surface, e.g. creep waves 2291/0426 Bulk waves, e.g. quartz crystal microbalance, torsional waves 2291/0427 Flexural waves, plate waves, e.g. Lamb waves, 	2333/003 2333/005 2333/01 2333/015 2333/02 2333/025	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus Papovaviridae, e.g. papillomavirus, polyomavirus, SV40, BK virus, JC virus
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2291/0422	2333/003 2333/005 2333/015 2333/015 2333/02 2333/025 2333/035 2333/035 2333/04 2333/045 2333/05 2333/06 2333/06 2333/07 2333/07 2333/08 2333/08 2333/09 2333/09 2333/09 2333/10	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus Papovaviridae, e.g. papillomavirus, polyomavirus, SV40, BK virus, JC virus Herpetoviridae, e.g. pseudorabies virus Pseudorabies virus, i.e. Aujetzky virus Varicella-zoster virus Cytomegalovirus Epstein-Barr virus Marek's disease virus Marek's disease virus Poxviridae, e.g. avipoxvirus Vaccinia virus; Variola virus Adenoviridae RNA viruses Picornaviridae, e.g. coxsackie virus, echovirus, enterovirus Foot-and-mouth disease virus Rhinovirus Hepatitis A virus
2291/0421 Longitudinal waves 2291/0422 Shear waves, transverse waves, horizontally polarised waves 2291/0423 Surface waves, e.g. Rayleigh waves, Love waves 2291/0425 Parallel to the surface, e.g. creep waves 2291/0426 Bulk waves, e.g. quartz crystal microbalance, torsional waves 2291/0427 Flexural waves, plate waves, e.g. Lamb waves, tuning fork, cantilever 2291/0428 Mode conversion 2291/043 Complex trajectories 2291/044 Internal reflections (echoes), e.g. on walls or defects 2291/045 External reflections, e.g. on reflectors 2291/048 Transmission, i.e. analysed material between transmitter and receiver 2291/051 Perpendicular incidence, perpendicular propagation 2291/052 Angular incidence, angular propagation 2291/055 Angular incidence, angular propagation 2291/057 Angular incidence, parallel to surface propagation 2291/057 Angular incidence, parallel to surface propagation 2291/101 one transducers 2291/102 one emitter, one receiver 2291/103 one emitter, two or more receivers 2291/104 two or more emitters, one receiver	2333/003 2333/005 2333/015 2333/015 2333/02 2333/025 2333/035 2333/035 2333/04 2333/045 2333/05 2333/06 2333/06 2333/07 2333/07 2333/08 2333/08 2333/09 2333/09 2333/10 2333/10	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus Papovaviridae, e.g. papillomavirus, polyomavirus, SV40, BK virus, JC virus Herpetoviridae, e.g. pseudorabies virus Pseudorabies virus, i.e. Aujetzky virus Varicella-zoster virus Cytomegalovirus Epstein-Barr virus Marek's disease virus Infectious bovine rhinotracheitis virus Poxviridae, e.g. avipoxvirus Vaccinia virus; Variola virus Adenoviridae RNA viruses Picornaviridae, e.g. coxsackie virus, echovirus, enterovirus Foot-and-mouth disease virus Rhinovirus Hepatitis A virus Poliovirus
2291/0422	2333/003 2333/005 2333/015 2333/015 2333/02 2333/025 2333/035 2333/035 2333/04 2333/045 2333/05 2333/06 2333/06 2333/07 2333/07 2333/08 2333/08 2333/09 2333/09 2333/10 2333/10 2333/105 2333/11	 by chemical synthesis of Peptide-nucleic acids (PNAs) from viruses DNA viruses Parvoviridae, e.g. feline panleukopenia virus, human Parvovirus Hepadnaviridae, e.g. hepatitis B virus Papovaviridae, e.g. papillomavirus, polyomavirus, SV40, BK virus, JC virus Herpetoviridae, e.g. pseudorabies virus Pseudorabies virus, i.e. Aujetzky virus Herpes simplex virus I or II Varicella-zoster virus Cytomegalovirus Epstein-Barr virus Marek's disease virus Infectious bovine rhinotracheitis virus Poxviridae, e.g. avipoxvirus Vaccinia virus; Variola virus Adenoviridae RNA viruses Picornaviridae, e.g. coxsackie virus, echovirus, enterovirus Foot-and-mouth disease virus Rhinovirus Hepatitis A virus Poliovirus Orthomyxoviridae, e.g. influenza virus

0222/125 N (1 1'	2222/26
2333/125 Newcastle disease virus	2333/26 Klebsiella (G)
2333/13 Canine distemper virus	2333/265 Enterobacter (G)
2333/135 Respiratory syncytial virus	2333/27 Erwinia (G)
2333/14 Reoviridae, e.g. rotavirus, bluetongue virus,	2333/275 Hafnia (G)
Colorado tick fever virus	2333/28 from Vibrionaceae (F)
2333/145 • • • Rhabdoviridae, e.g. rabies virus, Duvenhage virus, Mokola virus or vesicular stomatitis virus	2333/285 • from Pasteurellaceae (F), e.g. Haemophilus influenza
2333/15 Retroviridae, e.g. bovine leukaemia virus,	2333/29 from Richettsiales (o)
feline leukaemia virus, feline leukaemia virus,	2333/295 from Chlamydiales (o)
human T-cell leukaemia-lymphoma virus	2333/30 from Mycoplasmatales, e.g. Pleuropneumonia-
2333/155 Lentiviridae, e.g. visna-maedi virus, equine infectious virus, FIV, SIV	like organisms [PPLO]
2333/16 HIV-1, HIV-2	
2333/161 gag-pol, e.g. p55, p24/25, p17/18, p.7,	2333/31 from Staphylococcus (G) 2333/315 from Streptococcus (G), e.g. Enterococci
p6, p66/68, p51/52, p31/34, p32, p40	1
2333/162 env, e.g. gp160, gp110/120, gp41, V3,	2333/3153 Streptokinase
peptid T, DC4-Binding site	2333/3156 from Streptococcus pneumoniae
2333/163 Regulatory proteins, e.g. tat, nef, rev,	(Pneumococcus) (Streptokinase
vif, vpu, vpr, vpx	G01N 2333/3153) from Posithy (C)
2333/165 Coronaviridae, e.g. avian infectious bronchitis	2333/32 from Bacillus (G)
virus	2333/325 Bacillus thuringiensis crystal protein (delta-
2333/17 Porcine transmissible gastroenteritis virus	endotoxin)
2333/175 Bunyaviridae, e.g. California encephalitis virus,	2333/33 from Clostridium (G)
Rift valley fever virus, Hantaan virus	2333/335 from Lactobacillus (G)
2333/18 Togaviridae; Flaviviridae	2333/34 from Corynebacterium (G)
2333/181 Alphaviruses or Group A arboviruses, e.g.	2333/345 from Brevibacterium (G)
sindbis, VEE, EEE, WEE or semliki forest	2333/35 from Mycobacteriaceae (F)
virus (rubella virus G01N 2333/19)	2333/355 from Nocardia (G)
2333/183 Flaviviridae, e.g. pestivirus, mucosal disease	2333/36 from Actinomyces; from Streptomyces (G)
virus, bovine viral diarrhoea virus, classical	2333/365 from Actinoplanes (G)
swine fever virus (hog cholera virus) or	2333/37 • from fungi
border disease virus	2333/375 from Basidiomycetes
2333/185 Flaviviruses or Group B arboviruses, e.g.	2333/38 from Aspergillus
yellow fever virus, japanese encephalitis,	2333/385 from Penicillium
tick-borne encephalitis, dengue	2333/39 from yeasts
2333/186 Hepatitis C; Hepatitis NANB	2333/395 from Saccharomyces
2333/188 Hepatitis G; Hepatitis NANBNCNDNE	2333/40 • • • from Candida
2333/19 Rubella virus	2333/405 • from algae
2333/195 • from bacteria	2333/41 • from lichens
NOTE	2333/415 • from plants
NOTE	2333/42 • Lectins, e.g. concanavalin, phytohaemagglutinin
In groups <u>G01N 2333/20</u> - <u>G01N 2333/365</u> ,	2333/425 . Zeins
where appropriate, after the bacteria	2333/43 • Sweetening agents, e.g. thaumatin, monellin
terminology, the indication of the order (O),	2333/435 • from animals; from humans
family (F) or genus (G) of the bacteria is given in	2333/43504 • from invertebrates
brackets.	2333/43508 from crustaceans
2333/20 from Spirochaetales (O), e.g. Treponema,	2333/43513 from arachnidae
Leptospira	2333/43517 from spiders
2333/205 from Campylobacter (G)	2333/43521 from scorpions
2333/21 from Pseudomonadaceae (F)	2333/43526 from worms
2333/212 Moraxellaceae, e.g. Acinetobacter, Moraxella,	2333/4353 from nematodes
Oligella or Psychrobacter	2333/43534 from Caenorhabditis
2333/215 from Halobacteriaceae (F)	
2333/22 from Neisseriaceae (F), e.g. Acinetobacter	2333/43539 from cestodes
2333/225 from Alcaligenes (G)	2333/43547 from Taenia
2333/23 from Brucella (G)	2333/43547 from trematodes
2333/235 • • • from Bordetella (G)	2333/43552 from insects
2333/24 • from Enterobacteriaceae (F), e.g. Citrobacter,	2333/43556 from ticks
Serratia, Proteus, Providencia, Morganella,	2333/4356 from wasps
Yersinia	2333/43565 from bees
2333/245 Escherichia (G)	2333/43569 from flies
2333/25 Shigella (G)	2333/43573 from Drosophila
2333/255 Salmonella (G)	2333/43578 from silkworm
	2333/43582 from mites

2000/40507	G 11 D 11
2333/43586 from fleas	2333/4739 Cyclin; Prad 1
2333/43591 from mosquitoes	2333/474 Pancreatic thread protein; Reg protein
2333/43595 from coelenteratae, e.g. medusae	2333/4742 Keratin; Cytokeratin
2333/44 from protozoa	2333/4743 Bactericidal/Permeability-increasing
2333/445 Plasmodium	protein BPI
2333/45 Toxoplasma	2333/4745 Insulin-like growth factor binding protein
2333/455 Eimeria	2333/4746 Cancer-associated SCM-recognition
2333/46 from vertebrates	factor, CRISPP
2333/4603 from fish	2333/4748 p53
2333/4606 from amphibians	2333/475 . Assays involving growth factors
2333/4609 from reptiles	2333/4753 Hepatocyte growth factor; Scatter factor;
2333/4613 Snake venom	Tumor cytotoxic factor II
2333/4616 from Russell's viper	2333/4756 Neuregulins, i.e. p185erbB2 ligands,
2333/462 from Agkistrodon sp., e.g. acutase, ACTE	glial growth factor, heregulin, ARIA, neu
	differentiation factor
2333/4623 from Agkistrodon rhodostama (Malayan	2333/48 Nerve growth factor [NGF]
pit viper); Arvin (R); Batroboxin; Ancrod	2333/485 Epidermal growth factor [EGF] (urogastrone)
	2333/49 Platelet-derived growth factor [PDGF]
2333/4626 from Agkistrodon contortrix contortrix	2333/495 Transforming growth factor [TGF]
(copperhead snake); Protac (R)	2333/50 Fibroblast growth factors [FGF]
2333/463 from Croatalus adamanteus (Eastern	2333/501 acidic FGF [aFGF]
Diamondback rattlesnake); Crotolase	
2333/4633 from Echis carinatus; Ecarin	2333/503 basic FGF [bFGF]
2333/4636 from Bothrops sp.	2333/505 Erythropoietin [EPO]
2333/464 from Bothrops atrox; Reptilase; Atroxin	2333/51 Bone morphogenetic factor; Osteogenins;
2333/4643 from Bothrops jararaca; Botrocetin	Osteogenic factor; Bone-inducing factor
2333/4646 from Oxyuran(eo)us scutellatus (Taipan	2333/515 Angiogenesic factors; Angiogenin
snake of Elapidae family)	2333/52 . Assays involving cytokines
2333/465 from birds	2333/521 Chemokines
2333/47 Assays involving proteins of known structure	2333/522 Alpha-chemokines, e.g. NAP-2, ENA-78,
or function as defined in the subgroups	GRO-alpha/MGSA/NAP-3, GRO-beta/
2333/4701 Details	MIP-2alpha, GRO-gamma/MIP-2beta, IP-10,
2333/4703 Regulators; Modulating activity	GCP-2, MIG, PBSF, PF-4 or KC
2333/4704 Inhibitors; Supressors	2333/523 Beta-chemokines, e.g. RANTES, I-309/
2333/4706 stimulating, promoting or activating	TCA-3, MIP-1alpha, MIP-1beta/ACT-2/
activity	LD78/SCIF, MCP-1/MCAF, MCP-2,
2333/4707 Guanosine triphosphatase activating	MCP-3, LDCF-1or LDCF-2
protein, GAP	2333/524 Thrombopoietin, i.e. C-MPL ligand
2333/4709 Amyloid plaque core protein	2333/525 Tumor necrosis factor [TNF]
2333/471 Pregnancy proteins, e.g. placenta proteins,	2333/5255 Lymphotoxin [LT]
alpha-feto-protein, pregnancy specific beta	2333/53 Colony-stimulating factor [CSF]
glycoprotein	2333/535 Granulocyte CSF; Granulocyte-macrophage
2333/4712 Muscle proteins, e.g. myosin, actin,	CSF
protein	2333/54 Interleukins [IL]
2333/4713 Plasma globulins, lactoglobulin	2333/5403 IL-3
2333/4715 Cytokine-induced proteins	2333/5406 IL-4
2333/4716 Complement proteins, e.g. anaphylatoxin,	2333/5409 IL-5
C3a, C5a	2333/5412 IL-6
2333/4718 Lipocortins	2333/5415 Leukaemia inhibitory factor [LIF]
2333/4719 G-proteins	2333/5418 IL-7
2333/4721 Cationic antimicrobial peptides, e.g.	2333/5421 IL-8
defensins	2333/5425 IL-9
	2333/5428 IL-10
2333/4722 Proteoglycans, e.g. aggreccan 2333/4724 Lectins	
	2333/5431 IL-11
2333/4725 Mucins, e.g. human intestinal mucin	2333/5434 IL-12
2333/4727 Calcium binding proteins, e.g. calmodulin	2333/5437 IL-13
2333/4728 alpha-Glycoproteins	2333/544 IL-14
2333/473 Recognins, e.g. malignin	2333/5443 IL-15
2333/4731 Casein	2333/5446 IL-16
2333/4733 Acute pancreatitis-associated protein	
	2333/545 IL-1
2333/4734 Villin	2333/545 IL-1 2333/55 IL-2
2333/4736 Retinoblastoma protein	2333/545 IL-1
	2333/545 IL-1 2333/55 IL-2

2333/57 IFN-gamma 2333/575 . Hormones (derived from pro-opiomelanocortin, pro-enkephalin or pro-dynorphin GO1N 2333/665, corticotropin GO1N 2333/695) 2333/5751 Corticotropin releasing factor [CRF]	70535 Fc-receptors, e.g. CD16, CD32, CD64 (CD2314/705F) 70539 MHC-molecules, e.g. HLA-molecules 70542 CD106 70546 Integrin superfamily, e.g. VLAs, leuCAM, GPIIb/GPIIIa, LPAM 7055 Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 70553 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 70560 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF- receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/575 Hormones (derived from pro-opiomelanocortin, pro-enkephalin or pro-dynorphin G01N 2333/665, corticotropin G01N 2333/695) 2333/7 2333/5751 Corticotropin releasing factor [CRF] (Urotensin) 2333/7 2333/5752 Placental lactogen; Chorionic Somatomammotropin 2333/7 2333/5753 Calcitonin gene related peptide [VIC] 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5759 Gastrin releasing peptide 2333/5759 Gastrin releasing peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/59 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/59 Gastrins; Cholecystokinins [CCK] 2333/7	 MHC-molecules, e.g. HLA-molecules CD106 Integrin superfamily, e.g. VLAs, leuCAM, GPIIb/GPIIIa, LPAM Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM Selectins, e.g. CD62 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors for neuromediators, e.g. serotonin receptor, dopamine receptor NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
pro-enkephalin or pro-dynorphin G01N 2333/665, corticotropin G01N 2333/695) 2333/5751 Corticotropin releasing factor [CRF] (Urotensin) 2333/7 2333/5752 Placental lactogen; Chorionic Somatomammotropin 2333/7 2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/7 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/5759 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	 70542 CD106 70546 Integrin superfamily, e.g. VLAs, leuCAM, GPIIb/GPIIIa, LPAM 7055 Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 70553 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 7056 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
corticotropin G01N 2333/695) 2333/5751 Corticotropin releasing factor [CRF] (Urotensin) 2333/5752 Placental lactogen; Chorionic Somatomammotropin 2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/5759 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/595 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	 Integrin superfamily, e.g. VLAs, leuCAM, GPIIb/GPIIIa, LPAM Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM Selectins, e.g. CD62 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors for neuromediators, e.g. serotonin receptor, dopamine receptor NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5751 Corticotropin releasing factor [CRF] (Urotensin) 2333/7 2333/5752 Placental lactogen; Chorionic Somatomammotropin 2333/7 2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/7 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/7 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/59 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	GPIIb/GPIIIa, LPAM 7055 Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 70553 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 7056 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
(Urotensin) 2333/77 2333/5752 Placental lactogen; Chorionic Somatomammotropin 2333/7 2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	 7055 Integrin beta1-subunit-containing molecules, e.g. CD29, CD49 70553 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 7056 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
Somatomammotropin 2333/7 2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/7 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/7 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/7 2333/595 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	 70553 Integrin beta2-subunit-containing molecules, e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 7056 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5753 Calcitonin gene related peptide 2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/579 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	e.g. CD11, CD18 70557 Integrin beta3-subunit-containing molecules, e.g. CD41, CD51, CD61 7056 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5754 Endothelin, vasoactive intestinal contractor [VIC] 2333/5755 Neuropeptide Y 2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/579 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	e.g. CD41, CD51, CD61 Selectin superfamily, e.g. LAM-1, GlyCAM, ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5756 Prolactin 2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/7 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/58 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	ELAM-1, PADGEM 70564 Selectins, e.g. CD62 70567 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5757 Vasoactive intestinal peptide [VIP] or related peptides 2333/7 2333/5758 Gastrin releasing peptide 2333/7 2333/5759 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/58 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors for neuromediators, e.g. serotonin receptor, dopamine receptor NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
peptides 2333/7 2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/58 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	 Nuclear receptors, e.g. retinoic acid receptor [RAR], RXR, nuclear orphan receptors for neuromediators, e.g. serotonin receptor, dopamine receptor NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/5758 Gastrin releasing peptide 2333/5759 Thymosin or related peptides 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	[RAR], RXR, nuclear orphan receptors 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/579 Thymosin or related peptides 2333/7 2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	 70571 for neuromediators, e.g. serotonin receptor, dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/58 Atrial natriuretic factor complex; Atriopeptin; Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	dopamine receptor 70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
Atrial natriuretic peptide [ANP]; Brain natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	70575 NGF/TNF-superfamily, e.g. CD70, CD95L, CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
natriuretic peptide [BNP, proBNP]; Cardionatrin; Cardiodilatin 2333/585 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	CD153 or CD154 (NGF G01N 2333/48, TNF G01N 2333/525) 70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/585 Calcitonins 2333/7 2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	70578 NGF-receptor/TNF-receptor superfamily, e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
2333/59 Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	e.g. CD27, CD30 CD40 or CD95 (NGF-receptor G01N 2333/71, TNF-receptor G01N 2333/7151)
gonadotropins, e.g. HCG; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK]	receptor <u>G01N 2333/71</u> , TNF-receptor <u>G01N 2333/7151</u>)
[LH]; Thyroid-stimulating hormone [TSH] 2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	<u>G01N 2333/7151</u>)
2333/595 Gastrins; Cholecystokinins [CCK] 2333/7	
zeeerese v v ousums, energystemms [cerr]	
2222/C0 C 4.1 L : 6 (CH.DE) 2333/7	70585 CD44
2000/00 V V Ord Will normalia Telegraphy (CTT Tel)	70589 CD45
(Sometime)	70592 CD52
	70596 Molecules with a "CD"-designation not provided for elsewhere in G01N 2333/705
2333/62 Insulins	71 for growth factors; for growth regulators
2000,00	
Parathyroid hormone-related peptides 2333/7	715 for cytokines; for lymphokines; for interferons 7151 for tumor necrosis factor [TNF]; for lymphotoxin [LT]
2333/64 Relaxins	7153 or colony-stimulating factors [CSF]
2000/5	• •
2000, oc v mount into grown factors (Sometonicons),	7155 for interleukins [IL]
	7156 for interferons [IFN]
	7158 for chemokines
2333/66 Thymopoietins 2333/7	· ·
2333/665 . Assays involving proteins derived from pro-	G01N 2333/70571)
dynorphin	723 Steroid/thyroid hormone superfamily, e.g. GR, EcR, androgen receptor, oestrogen
2333/67 Lipotropins, e.g. beta, gamma lipotropin	receptor G protein coupled receptor of TSHP
	 G protein coupled receptor, e.g. TSHR- thyrotropin-receptor, LH/hCG receptor, FSH
2333/68 Melanocyte-stimulating hormone [MSH]	
2333/685 alpha-Melanotropin 2333/7	, e
2333/69 beta-Melanotropin	factors Thrombomodulin
2555/095 • • • Cornconopin [AC111]	7452 Thrombomodulin
2333/70 • • • Elikepitatilis	7454 Tissue factor (tissue thromboplastin, Factor III)
2333/705 . Assays involving receptors, cell surface antigens	
or cell surface determinants	
2333/70503 • • • Immunoglobulin superfamily, e.g. VCAMs, PECAM, LFA-3 2333/7	755 Factors VIII, e.g. factor VIII C [AHF], factor
2333/70507 C2D	VIII Ag [VWF]
2333/7051 T-cell receptor (TcR)-CD3 complex 2333/7	, ,
2333/70514 CD4	use for blocking surfaces or for anchoring haptens
2333/70517 CD8	during immunisation
2333/70521 CD28. CD152	, 8
2333/70525 ICAM molecules, e.g. CD50, CD54, CD102	
2333/70528 CD58	775 Apolipopeptides
2333/70532 B7 molecules, e.g. CD80, CD86	

2333/78 • Connective tissue peptides, e.g. collagen, elastin,	2333/90241 acting on single donors with incorporation of
laminin, fibronectin, vitronectin, cold insoluble	molecular oxygen, i.e. oxygenases (1.13)
globulin [CIG]	2333/90245 acting on paired donors with incorporation of
2333/785 . Alveolar surfactant peptides; Pulmonary	molecular oxygen (1.14)
surfactant peptides	2333/90248 with NADH or NADPH as one of the donors,
2333/79 . Transferrins, e.g. lactoferrins, ovotransferrins	and incorporation of one atom of oxygen
2333/795 • Porphyrin- or corrin-ring-containing peptides	1.14.13
2333/80 Cytochromes	2333/90251 with a definite EC number (1.14.13)
2333/805 Haemoglobins; Myoglobins	2333/90254 Nitric-oxide synthase (NOS; 1.14.13.39)
2333/81 • Protease inhibitors	2333/90258 with a reduced iron-sulfur protein as one
2333/8103 • Exopeptidase (E.C. 3.4.11-19) inhibitors	donor (1.14.15) in general
2333/8107 • Endopeptidase (E.C. 3.4.21-99) inhibitors	2333/90261 with a definite EC number (1.14.15)
2333/811 Serine protease (E.C. 3.4.21) inhibitors	2333/90264 Steroid 11 beta monooxygenase (P-450
2333/8114 Kunitz type inhibitors	protein)(1.14.15.4)
2333/8117 Bovine/basic pancreatic trypsin inhibitor	2333/90267 Cholesterol monooxygenase
(BPTI, aprotinin)	(cytochrome P 450scc)(1.14.15.6)
2333/8121 Serpins	2333/9027 Miscellaneous (1.14.99)
•	2333/90274 with a definite EC number (1.14.99)
1 71	2333/90277 Steroid 17 alpha-monooxygenase
2333/8128 Antithrombin III	(1.14.99.9)
2333/8132 Plasminogen activator inhibitors	2333/9028 Steroid 21-monooxygenase (1.14.99.10)
2333/8135 Kazal type inhibitors, e.g. pancreatic	2333/90283 acting on superoxide radicals as acceptor (1.15)
secretory inhibitor or ovomucoid	2333/90287 oxidising metal ions (1.16)
2333/8139 Cysteine protease (E.C. 3.4.22) inhibitors, e.g.	2333/9029 acting on -CH ₂ - groups (1.17)
cystatin	
2333/8142 Aspartate protease (E.C. 3.4.23) inhibitors, e.g.	2333/90293 acting on reduced ferredoxin as donor (1.18)
HIV protease inhibitors	2333/90296 acting on reduced flavodoxin as donor (1.19)
2333/8146 Metalloprotease (E.C. 3.4.24) inhibitors, e.g.	2333/904 acting on CHOH groups as donors, e.g. glucose
tissue inhibitor of metallo proteinase, TIMP	oxidase, lactate dehydrogenase (1.1)
2333/815 • from leeches, e.g. hirudin, eglin	2333/906 acting on nitrogen containing compounds as
2333/82 . Translation products from oncogenes	donors (1.4, 1.5, 1.7)
2333/825 . Metallothioneins	2333/90605 acting on the CH-NH ₂ group of donors (1.4)
2222/02	
2333/90 • Enzymes; Proenzymes	2333/90611 with NAD or NADP as acceptor (1.4.1) in
	general
NOTE	general 2333/90616 with a definite EC number (1.4.1)
NOTE Enzymes are generally categorised below	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
NOTE Enzymes are generally categorised below according to the "Nomenclature and	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20)
NOTE Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2)
NOTE Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate,	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2) 2333/90633 with oxygen as acceptor (1.4.3) in general
NOTE Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2)
NOTE Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate,	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2) 2333/90633 with oxygen as acceptor (1.4.3) in general
NOTE Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis.	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g.	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2) 2333/90633 with oxygen as acceptor (1.4.3) in general 2333/90638 with a definite EC number (1.4.3) 2333/90644 D-Amino acid oxidase (1.4.3.3)
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2) 2333/90633 with oxygen as acceptor (1.4.3) in general 2333/90638 with a definite EC number (1.4.3) 2333/90644 D-Amino acid oxidase (1.4.3.3) 2333/9065 acting on CH-NH groups of donors (1.5)
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90637 with a cytochrome as acceptor (1.4.2) 2333/90638 with oxygen as acceptor (1.4.3) in general 2333/90644 D-Amino acid oxidase (1.4.3.3) 2333/9065 acting on CH-NH groups of donors (1.5) 2333/90655 with NAD or NADP as acceptor (1.5.1) in
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes 2333/9015 • Ligases (6)	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90627 with a cytochrome as acceptor (1.4.2) 2333/90633 with oxygen as acceptor (1.4.3) in general 2333/90638 with a definite EC number (1.4.3) 2333/90644 D-Amino acid oxidase (1.4.3.3) 2333/9065 acting on CH-NH groups of donors (1.5) 2333/90655 with NAD or NADP as acceptor (1.5.1) in general
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes 2333/9015 • Ligases (6) 2333/902 • Oxidoreductases (1.)	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes 2333/902 • Ligases (6) 2333/902 • Oxidoreductases (1.) 2333/90203 • acting on the aldehyde or oxo group of donors	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes 2333/901 • Ligases (6) 2333/902 • Oxidoreductases (1.) 2333/90203 • acting on the aldehyde or oxo group of donors (1.2)	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005 • Enzymes with nucleic acid structure; e.g. ribozymes 2333/901 • Antibodies with enzymatic activity; e.g. abzymes 2333/901 • Ligases (6) 2333/902 • Oxidoreductases (1.) 2333/90203 • acting on the aldehyde or oxo group of donors (1.2) 2333/90206 • acting on the CH-CH group of donors (1.3)	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase
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Enzymes are generally categorised below according to the "Nomenclature and Classification of Enzymes" of the International Commission on Enzymes. Where appropriate, this designation appears in the groups below in parenthesis. 2333/9005	general 2333/90616 with a definite EC number (1.4.1) 2333/90622 Phenylalanine dehydrogenase (1.4.1.20) 2333/90633 with a cytochrome as acceptor (1.4.3) in general 2333/90638 with oxygen as acceptor (1.4.3) in general 2333/90644 D-Amino acid oxidase (1.4.3.3) 2333/9065 acting on CH-NH groups of donors (1.5) 2333/90655 with NAD or NADP as acceptor (1.5.1) in general 2333/90661 with a definite EC number (1.5.1) 2333/90666 Dihydrofolate reductase [DHFR] (1.5.1.3) 2333/90672 with oxygen as acceptor (1.5.3) in general 2333/90683 Sarcosine oxidase (1.5.3.1) 2333/90688 acting on other nitrogen compounds as donors (1.7) 2333/908 acting on hydrogen peroxide as acceptor (1.11) 2333/91005 transferrases (2.) 2333/91011 Methyltransferases (general) (2.1.1.) 2333/91022 Catecholmethyltransferases (2.1.2) 2333/91028 Hydroxymethyl-, formyl-transferases (2.1.2)
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2333/91051 Acyltransferases other than	2333/9129 Transferases for other substituted
aminoacyltransferases (general) (2.3.1)	phosphate groups (2.7.8)
2333/91057 with definite EC number (2.3.1)	2333/91295 with paired acceptors (2.7.9)
2333/91062 Chloramphenicol-acetyltransferases	2333/914 Hydrolases (3)
(2.3.1.28)	2333/916 acting on ester bonds (3.1), e.g. phosphatases
2333/91068 Chalcone synthases (2.3.1.74)	(3.1.3), phospholipases C or phospholipases D
2333/91074 Aminoacyltransferases (general) (2.3.2)	(3.1.4)
2333/9108 with definite EC number (2.3.2)	2333/918 Carboxylic ester hydrolases (3.1.1)
2333/91085 Transglutaminases; Factor XIIIq	2333/92 Triglyceride splitting, e.g. by means of
(2.3.2.13)	lipase
2333/91091 Glycosyltransferases (2.4)	2333/922 Ribonucleases (RNAses);
2333/91097 Hexosyltransferases (general) (2.4.1)	Deoxyribonucleases (DNAses)
2333/91102 with definite EC number (2.4.1)	2333/924 acting on glycosyl compounds (3.2)
2333/91108 Levansucrases (2.4.1.10)	2333/926 acting on alpha -1, 4-glucosidic bonds, e.g.
2333/91114 Cellulose synthases (2.4.1.12)	hyaluronidase, invertase, amylase
2333/9112 Sucrose synthases (2.4.1.13)	2333/928 acting on alpha -1, 4-glucosidic bonds, e.g.
2333/91125 Sucrose phosphate synthases (2.4.1.14)	hyaluronidase, invertase, amylase
2333/91131 Glucan branching enzymes (2.4.1.18)	2333/93 Fungal source
	2333/932 alpha-amylase from plant source
2333/91137 Cyclomalto dextrin glucano transferases (2.4.1.19)	2333/934 Glucoamylase
·	2333/936 acting on beta-1, 4 bonds between N-
2333/91142 Pentosyltransferases (2.4.2)	acetylmuramic acid and 2-acetyl-amino 2-
2333/91148 transferring other glycosyl groups (2.4.99)	deoxy-D-glucose, e.g. lysozyme
2333/91154 transferring alkyl or aryl groups other than	2333/938 acting on beta-galactose-glycoside bonds,
methyl groups (2.5)	e.g. beta-galactosidase
2333/9116 transferring alkyl or aryl groups other than	2333/94 acting on alpha-galactose-glycoside bonds,
methyl groups (2.5)	e.g. alpha-galactosidase
2333/91165 general (2.5.1)	2333/942 acting on beta-1, 4-glucosidic bonds, e.g.
2333/91171 with definite EC number (2.5.1)	cellulase
2333/91177 Glutathione transferases (2.5.1.18)	2333/944 acting on alpha-1, 6-glucosidic bonds, e.g.
2333/91182 Enolpyruvylshikimate-phosphate	isoamylase, pullulanase
synthases (2.5.1.19)	2333/946 Dextranase
2333/91188 transferring nitrogenous groups (2.6)	2333/948 acting on peptide bonds (3.4)
2333/91194 • • • transferring sulfur containing groups (2.8)	2333/95 Proteinases, i.e. endopeptidases
2333/912 transferring phosphorus containing groups, e.g.	(3.4.21-3.4.99)
kinases (2.7)	2333/9506 derived from viruses
2333/91205 Phosphotransferases in general	2333/9513 derived from RNA viruses
2333/9121 with an alcohol group as acceptor (2.7.1),	2333/952 derived from bacteria
e.g. general tyrosine, serine or threonine	
kinases	
2333/91215 with a definite EC number (2.7.1)	2333/956 Bacillus subtilis or Bacillus licheniformis
2333/9122 Thymidine kinase (2.7.1.21)	
2333/91225 with a carboxyl group as acceptor (2.7.2)	2333/958 derived from fungi
2333/9123 with a nitrogenous group as acceptor	2333/96 from yeast
(2.7.3), e.g. histidine kinases	2333/962 from Aspergillus
2333/91235 with a phosphate group as acceptor (2.7.4)	2333/964 derived from animal tissue
2333/9124 Diphosphotransferases (2.7.6)	2333/96402 from non-mammals
2333/91245 Nucleotidyltransferases (2.7.7)	2333/96405 in general
2333/9125 with a definite EC number (2.7.7)	2333/96408 with EC number
2333/91255 DNA-directed RNA polymerase	2333/96411 Serine endopeptidases (3.4.21)
(2.7.7.6)	2333/96413 Cysteine endopeptidases (3.4.22)
2333/9126 DNA-directed DNA polymerase	2333/96416 Aspartic endopeptidases (3.4.23)
(2.7.7.7)	2333/96419 Metalloendopeptidases (3.4.24)
2333/91265 Polyribonucleotide nucleotidyl	2333/96422 from snakes
transferases, i.e. polynucleotide	2333/96425 from mammals
phosphorylase (2.7.7.8)	2333/96427 in general
2333/9127 DNA nucleotidyl-exotransferases,	2333/9643 with EC number
i.e. terminal nucleotidyl transferases	2333/96433 Serine endopeptidases (3.4.21)
(2.7.7.31)	2333/96436 Granzymes
2333/91275 RNA-directed RNA polymerases, e.g.	2333/96438 Dibasic site splicing serine
replicases (2.7.7.48)	
2333/9128 RNA-directed DNA polymerases, e.g.	proteases, e.g. furin 2333/96441 with definite EC number
RT (2.7.7.49)	
2333/91285 RNA uridyltransferases (2.7.7.52)	2333/96444 Factor X (3.4.21.6)
Tana and and and and and and and and and	2333/96447 Factor VII (3.4.21.21)

2222/0645 Easter IV (2.4.21.22)		
2333/9645 Factor IX (3.4.21.22)	2400/14	alpha-D-Glucans, i.e. having alpha 1,n
2333/96452 Factor XI (3.4.21.27)		(n=3,4,6) linkages between saccharide units,
2333/96455 Kallikrein (3.4.21.34;		e.g. pullulan
3.4.21.35)	2400/16	Starch, amylose, amylopectin
2333/96458 Factor XII (3.4.21.38)	2400/18	Cyclodextrin
2333/96461 Protein C (3.4.21.69)	2400/22	Dextran
2333/96463 Blood coagulation factors	2400/24	• • • beta-D-Glucans, i.e. having beta 1,n (n=3,4,6)
not provided for in a		linkages between saccharide units, e.g. xanthan
preceding group or	2400/26	Cellulose
according to more than one	2400/28	Chitin, chitosan
of the proceeding groups	2400/23	Galactans, e.g. agar, agarose, agaropectin,
2333/96466 Cysteine endopeptidases (3.4.22)	2400/32	
2333/96469 Interleukin 1-beta convertase-	2400/24	carrageenan
like enzymes	2400/34	alpha-D-Galacturonans, e.g. pectin
	2400/36	beta-D-Fructofuranans, e.g. levan, insulin
2333/96472 Aspartic endopeptidases (3.4.23)	2400/38	Heteroglycans, i.e. polysaccharides having more
2333/96475 with definite EC number		than one sugar residue in the main chain in either
2333/96477 Pepsin (3.4.23.1; 3.4.23.2;		alternating or less regular sequence, e.g. gluco- or
3.4.23.3)		galactomannans, e.g. Konjac gum, Locust bean
2333/9648 Chymosin, i.e. rennin		gum, Guar gum (proteoglycans G01N 2333/4722)
(3.4.23.4)	2400/40	Glycosaminoglycans, i.e. GAG or
2333/96483 Renin (3.4.23.15)		mucopolysaccharides, e.g. chondroitin
2333/96486 Metalloendopeptidases (3.4.24)		sulfate, dermatan sulfate, hyaluronic acid,
2333/96488 Phosporamidon sensitive		heparin, heparan sulfate, and related sulfated
endothelin converting enzymes		polysaccharides
2333/96491 with definite EC number	2400/44	Guluromannuronans, e.g. alginic acid
	2400/46	Pectin
2333/96494 Matrix metalloproteases, e.	2400/48	Reserve carbohydrates, e.g. glycogen
g. 3.4.24.7	2400/50	Lipopolysaccharides; LPS
2333/96497 Enkephalinase (3.4.24.11)	2400/30	• • Lipoporysaccharides, Li S
2333/966 Elastase	2405/00	Assays, e.g. immunoassays or enzyme assays,
2333/968 Plasmin, i.e. fibrinolysin		involving lipids (lipopolysaccharides G01N 2400/50)
2333/972 Plasminogen activators	2405/02	Triacylglycerols
2333/9723 Urokinase	2405/04	Phospholipids, i.e. phosphoglycerides
2333/9726 Tissue plasminogen activator	2405/04	Glycophospholipids, e.g. phosphatidyl inositol
2333/974 • • • Thrombin		
2333/976 Trypsin; Chymotrypsin	2405/08	. Sphingolipids
	2405/10	Glycosphingolipids, e.g. cerebrosides,
2333/078 acting on carbon to nitrogen bonds other than		
2333/978 acting on carbon to nitrogen bonds other than		gangliosides
peptide bonds (3.5)	2407/00	
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides	2407/00	Assays, e.g. immunoassays or enzyme assays,
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1)		Assays, e.g. immunoassays or enzyme assays, involving terpenes
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase	2407/02	Assays, e.g. immunoassays or enzyme assays,
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase		Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays,
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic	2407/02	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase	2407/02	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine	2407/02 2410/00 2410/02	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10),	2407/02 2410/00 2410/02 2410/04	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6)	2407/02 2410/00 2410/02 2410/04 2410/06	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases,	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6)	2407/02 2410/00 2410/02 2410/04 2410/06	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides
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peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof
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peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase;	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays,
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays,	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00 2430/00	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates . involving antibodies to sugar part of glycoproteins	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00 2430/00	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/12	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724)	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/12 2430/20 2430/30	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 . Polysaccharides, i.e. having more than five	2407/02 2410/00 2410/02 2410/04 2410/08 2410/10 2415/00 2430/00 2430/10 2430/20 2430/30 2430/40	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs)
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 Polysaccharides, i.e. having more than five saccharide radicals attached to each other by	2407/02 2410/00 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/20 2430/30 2430/40 2430/50	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs) Dioxins Polyaromatic hydrocarbons (PAHs)
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 . Polysaccharides, i.e. having more than five	2407/02 2410/00 2410/02 2410/04 2410/08 2410/10 2415/00 2430/00 2430/10 2430/20 2430/30 2430/40	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs) Dioxins Polyaromatic hydrocarbons (PAHs) Synthetic polymers other than synthetic
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 Polysaccharides, i.e. having more than five saccharide radicals attached to each other by	2407/02 2410/00 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/20 2430/30 2430/40 2430/50	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs) Dioxins Polyaromatic hydrocarbons (PAHs)
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 . Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 . Isomerases (5.) 2333/992 . Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 . Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 Polysaccharides, i.e. having more than five saccharide radicals attached to each other by glycosidic linkages; Derivatives thereof, e.g. ethers,	2407/02 2410/00 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/20 2430/30 2430/40 2430/50	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Valinomycins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs) Dioxins Polyaromatic hydrocarbons (PAHs) Synthetic polymers other than synthetic
peptide bonds (3.5) 2333/98 acting on amide bonds in linear amides (3.5.1) 2333/982 Asparaginase 2333/984 Penicillin amidase 2333/986 acting on amide bonds in cyclic amides (3.5.2), e.g. beta-lactamase (penicillinase, 3.5.2.6), creatinine amidohydrolase (creatininase, EC 3.5.2.10), N-methylhydantoinase (3.5.2.6) 2333/988 Lyases (4.), e.g. aldolases, heparinase, enolases, fumarase 2333/99 Isomerases (5.) 2333/992 Glucose isomerase; Xylose isomerase; Glucose-6-phosphate isomerase 2333/994 Pancreatin 2400/00 Assays, e.g. immunoassays or enzyme assays, involving carbohydrates 2400/02 . involving antibodies to sugar part of glycoproteins (lectins from plants G01N 2333/42, lectins from mammals G01N 2333/4724) 2400/10 . Polysaccharides, i.e. having more than five saccharide radicals attached to each other by glycosidic linkages; Derivatives thereof, e.g. ethers, esters	2407/02 2410/00 2410/02 2410/04 2410/06 2410/08 2410/10 2415/00 2430/10 2430/10 2430/12 2430/20 2430/30 2430/40 2430/50 2430/60	Assays, e.g. immunoassays or enzyme assays, involving terpenes Taxol; Taxanes Assays, e.g. immunoassays or enzyme assays, involving peptides of less than 20 animo acids Angiotensins; Related peptides Oxytocins; Vasopressins; Related peptides Kallidins; Bradykinins; Related peptides Cyclosporins and related peptides Valinomycins and derivatives thereof Assays, e.g. immunoassays or enzyme assays, involving penicillins or cephalosporins Assays, e.g. immunoassays or enzyme assays, involving synthetic organic compounds as analytes Insecticides Pyrethroids Herbicides, e.g. DDT Polychlorinated biphenyls (PCBs) Dioxins Polyaromatic hydrocarbons (PAHs) Synthetic polymers other than synthetic polypeptides as analytes

2440/10	 acylation, e.g. acetylation, formylation, lipoylation, myristoylation, palmitoylation 	2470/00	Immunochemical assays or immunoassays characterised by the reaction format or reaction
2440/12	alkylation, e.g. methylation, (iso-)prenylation,		type
	farnesylation	2470/04	Sandwich assay format
2440/14	 phosphorylation 	2470/06	Second binding partner specifically binding
2440/16	• (de-)amidation		complex of analyte with first binding partner
2440/18	• citrullination	2470/10	Competitive assay format
2440/20	formation of disulphide bridges	2470/12	Displacement or release-type competition
2440/22	• iodination	2474/00	Immunochemical assays or immunoassays
2440/24	hydroxylation	2474/00	characterised by detection mode or means of
2440/26	 nitrosylation 		detection
2440/28	PEGylation	2474/10	• Immunoblots, e.g. Western blot or Dot blot
2440/30	• sulphation	2474/20	Immunohistochemistry assay
2440/32	 biotinylation 	2474/20	• Infindionistochemistry assay
2440/34	 addition of amino acid(s), e.g. arginylation, 	2496/00	Reference solutions for assays of biological
	(poly-)glutamylation, (poly-)glycylation		material
2440/36	addition of addition of other proteins or peptides,	2496/05	 containing blood cells or plasma
	e.g. SUMOylation, ubiquitination	2496/10	 containing particles to mimic blood cells
2440/38	addition of carbohydrates, e.g. glycosylation, glycation	2496/15	• containing dyes to mimic optical absorption of, e.g. hemoglobin
2440/40		2496/25	• containing added polymers to stabilise biological
2440/40	 addition of nucleotides or derivatives, e.g. adenylation, flavin attachment 	2170/25	material against degradation or mantain viscosity
	adenyiation, navin attachment		or density, e.g. gelatin, polyacrylamides, polyvinyl
2446/00	Magnetic particle immunoreagent carriers		alcohol (casein G01N 2333/4731, albumins
2446/10	the magnetic material being used to coat a pre-		G01N 2333/76, polysaccharides G01N 2400/10)
	existing polymer particle but not being present in	2496/30	• Polyethylene glycol, e.g. PEG
	the particle core	2496/35	Polyvinylpyrrolidone, e.g. PVP
2446/20	• the magnetic material being present in the particle	2496/45	• containing protease inhibitors, e.g.
	core		sulfonylfluorides, chloromethylketones,
2446/30	the magnetic material being dispersed in the polymer composition before their conversion into		organophosphates (peptide-based protease inhibitors G01N 2333/81)
	particulate form	2496/70	Blood gas control solutios containing dissolved
2446/40	• the magnetic material being dispersed in the	2.70,70	oxygen, bicarbonate and the like
	monomer composition prior to polymerisation	2496/80	Multi-analyte reference solutions containing
2446/60	the magnetic material being dispersed in a medium	_ 1, 0, 00	cholesterol, glucose and the like
	other than the main solvent prior to incorporation		
	into the polymer particle	2500/00	Screening for compounds of potential therapeutic
2446/62	Magnetic material dispersed in water drop		value
2446/64	Magnetic material dispersed in oil drop	2500/02	Screening involving studying the effect of
2446/66	Magnetic material dispersed in surfactant		compounds C on the interaction between interacting
2446/80	characterised by the agent used to coat the magnetic		molecules A and B (e.g. $A = \text{enzyme}$ and $B = \text{enzyme}$
	particles, e.g. lipids		1 4 4 6 4 4 4 1 1 1 1 1 6
	F		substrate for A, or A = receptor and B = ligand for the recentor)
2446/84	Polymer coating, e.g. gelatin	2500/04	the receptor)
		2500/04	the receptor) Screening involving studying the effect of
2446/84 2446/86	Polymer coating, e.g. gelatin	2500/04	the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are
	Polymer coating, e.g. gelatinthe coating being pre-functionalised for attaching	2500/04	the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential
2446/86	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran 		the receptor) • Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A)
2446/86 2446/90	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles 	2500/04 2500/10 2500/20	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells
2446/86	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological	2500/10 2500/20	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems
2446/86 2446/90 2458/00	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material 	2500/10	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells
2446/86 2446/90 2458/00 2458/10	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies 	2500/10 2500/20	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems
2446/86 2446/90 2458/00	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by 	2500/10 2500/20 2510/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis
2446/86 2446/90 2458/00 2458/10	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. 	2500/10 2500/20 2510/00 2520/00 2550/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems 	2500/10 2500/20 2510/00 2520/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis Chemical aspects of mass spectrometric analysis of
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20 2458/30	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems Electrochemically active labels 	2500/10 2500/20 2510/00 2520/00 2550/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20 2458/30	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems 	2500/10 2500/20 2510/00 2520/00 2550/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis Chemical aspects of mass spectrometric analysis of
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems Electrochemically active labels Rare earth chelates 	2500/10 2500/20 2510/00 2520/00 2550/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis Chemical aspects of mass spectrometric analysis of biological material NOTES
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20 2458/30 2458/40	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems Electrochemically active labels Rare earth chelates Immunoassays for the detection of microorganisms Detection of antigens from microorganism in 	2500/10 2500/20 2510/00 2520/00 2550/00	the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis Chemical aspects of mass spectrometric analysis of biological material NOTES 1. Analysis of proteins, peptides or amino acids by mass spectrometry is classified in G01N 33/6848
2446/86 2446/90 2458/00 2458/10 2458/15 2458/20 2458/30 2458/40 2469/00	 Polymer coating, e.g. gelatin the coating being pre-functionalised for attaching immunoreagents, e.g. aminodextran characterised by small molecule linker used to couple immunoreagents to magnetic particles Labels used in chemical analysis of biological material Oligonucleotides as tagging agents for labelling antibodies Non-radioactive isotope labels, e.g. for detection by mass spectrometry Labels for detection by gas chromatography, e.g. haloaryl systems Electrochemically active labels Rare earth chelates Immunoassays for the detection of microorganisms 	2500/10 2500/20 2510/00 2520/00 2550/00	 the receptor) Screening involving studying the effect of compounds C directly on molecule A (e.g. C are potential ligands for a receptor A, or potential substrates for an enzyme A) involving cells cell-free systems Detection of programmed cell death, i.e. apoptosis Use of whole organisms as detectors of pollution Electrophoretic profiling, e.g. for proteome analysis Chemical aspects of mass spectrometric analysis of biological material NOTES Analysis of proteins, peptides or amino acids by

G01N	
G01N 2560/00 (continued)	2. Analysis of nucleic acids by mass spectrometry is classified in C12Q 1/6872, C12Q 2563/167 and C12Q 2565/627.
2570/00	Omics, e.g. proteomics, glycomics or lipidomics; Methods of analysis focusing on the entire complement of classes of biological molecules or subsets thereof, i.e. focusing on proteomes, glycomes or lipidomes
2600/00	Assays involving molecular imprinted polymers/ polymers created around a molecular template
2610/00	Assays involving self-assembled monolayers [SAMs]
2650/00	Assays involving polymers whose constituent monomers bore biological functional groups before polymerization, i.e. vinyl, acryl derivatives of amino acids, sugars
2800/00	Detection or diagnosis of diseases
	NOTES 1. The indexing codes G01N 2800/02 - G01N 2800/44 are based on The Merck Manual of Diagnosis and Therapy (17th. Edition, Mark Beers and Robert Berkow). 2. For diseases caused by microorganism where

- For diseases caused by microorganism where the microorganism is detected, which subject matter is classified in G01N 33/569 and subgroups, G01N 33/571 or G01N 33/576, the present indexing scheme is not used.
- For cancers, which subject matter is classified in G01N 33/574 and subgroups, the present indexing scheme is not used.
- 4. When indexing in the following scheme, the organ takes precedence, e.g. inflammation of the skin is indexed with dermatological disorders and not with immunology or allergic disorders, asthma with pulmonary disorders and not with immunology or allergic disorders. Exception is made for thrombosis which is indexed with haematological disorders.

2800/02	Nutritional disorders
2800/04	Endocrine or metabolic disorders
2800/042	• Disorders of carbohydrate metabolism, e.g. diabetes, glucose metabolism
2800/044	• Hyperlipemia or hypolipemia, e.g. dyslipidaemia, obesity
2800/046	Thyroid disorders
2800/048	. Pituitary or hypothalamic - pituitary relationships,
	e.g. vasopressin or ADH related
2800/06	Gastro-intestinal diseases
2800/062	Gastritis or peptic ulcer disease
2800/065	Bowel diseases, e.g. Crohn, ulcerative colitis, IBS
2800/067	Pancreatitis or colitis
2800/08	Hepato-biliairy disorders other than hepatitis
2800/085	• Liver diseases, e.g. portal hypertension, fibrosis, cirrhosis, bilirubin
2800/10	Musculoskeletal or connective tissue disorders
2800/101	• Diffuse connective tissue disease, e.g. Sjögren, Wegener's granulomatosis
2800/102	• • • Arthritis; Rheumatoid arthritis, i.e. inflammation of peripheral joints
2800/104	Lupus erythematosus [SLE]

2800/105	• Osteoarthritis, e.g. cartilage alteration,
	hypertrophy of bone
2800/107	Crystal induced conditions; Gout
2800/108	Osteoporosis
2800/12	 Pulmonary diseases
2800/122	Chronic or obstructive airway disorders, e.g.
	asthma COPD
2800/125	Adult respiratory distress syndrome
2800/127	Bronchitis
2800/14	Disorders of ear, nose or throat
2800/16	• Ophthalmology
2800/162	Conjunctival disorders, e.g. conjunctivitis
2800/164	. Retinal disorders, e.g. retinopathy
2800/166	Cataract
2800/168	Glaucoma
2800/18	Dental and oral disorders
2800/20	Dermatological disorders
2800/202	• Dermatitis
2800/205	Scaling palpular diseases, e.g. psoriasis, pytiriasis
2800/207	Pigmentation disorders
2800/22	Haematology
2800/222	• • Platelet disorders
2800/224	Haemostasis or coagulation
2800/226	Thrombotic disorders, i.e. thrombo-embolism
2000/220	irrespective of location/organ involved, e.g. renal
	vein thrombosis, venous thrombosis
2800/228	Disorders of the spleen, e.g. splenic rupture,
	splenomegaly
2800/24	Immunology or allergic disorders (SLE)
	G01N 2800/104)
2800/245	Transplantation related diseases, e.g. graft versus
	host disease
2800/26	. Infectious diseases, e.g. generalised sepsis
	NOTE
	
	Indexing code G01N 2800/26 is not used
	for documents already classified in one or
	more of groups G01N 33/569 and subgroups, G01N 33/571 or G01N 33/576 and subgroups
	doin 35/571 of doin 35/570 and subgroups
2800/28	Neurological disorders
2800/2807	Headache; Migraine
2800/2814	Dementia; Cognitive disorders
2800/2821	Alzheimer
2800/2828	Prion diseases
2800/2835	Movement disorders, e.g. Parkinson, Huntington,
	Tourette
2800/2842	. Pain, e.g. neuropathic pain, psychogenic pain

2 2 2 2800/2842 . Pain, e.g. neuropathic pain, psychogenic pain 2800/285 . . Demyelinating diseases; Multipel sclerosis 2800/2857 . . Seizure disorders; Epilepsy 2800/2864 . . Sleep disorders 2800/2871 . . Cerebrovascular disorders, e.g. stroke, cerebral infarct, cerebral haemorrhage, transient ischemic event 2800/2878 . . Muscular dystrophy 2800/2885 . . . Duchenne dystrophy 2800/2892 . . . Myotonic dystrophy 2800/30 • Psychoses; Psychiatry 2800/301 . Anxiety or phobic disorders 2800/302 . Schizophrenia 2800/303 . Eating disorders, e.g. anorexia, bulimia 2800/304 . . Mood disorders, e.g. bipolar, depression 2800/305 . Attention deficit disorder; Hyperactivity

2800/306	Chronic fatigue syndrome
2800/307	Drug dependency, e.g. alcoholism
2800/308	Psychosexual disorders, e.g. sexual arousal
	disorder
2800/32	Cardiovascular disorders
2800/321	Arterial hypertension
2800/322	. Orthostatic hypertension or syncope
2800/323	Arteriosclerosis, Stenosis
2800/324	Coronary artery diseases, e.g. angina pectoris,
	myocardial infarction
2800/325	Heart failure or cardiac arrest, e.g.
	cardiomyopathy, congestive heart failure
2800/326	. Arrhythmias, e.g. ventricular fibrillation,
	tachycardia, atrioventricular block, torsade de
	pointes
2800/327	Endocarditis
2800/328	• Vasculitis, i.e. inflammation of blood vessels
2800/329	Diseases of the aorta or its branches, e.g.
	aneurysms, aortic dissection
2800/34	Genitourinary disorders
2800/341	Urinary incontinence
2800/342	• Prostate diseases, e.g. BPH, prostatitis
2800/344	Disorders of the penis and the scrotum and
	erectile dysfunction
2800/345	Urinary calculi
2800/347	Renal failures; Glomerular diseases;
	Tubulointerstitial diseases, e.g. nephritic
	syndrome, glomerulonephritis; Renovascular
	diseases, e.g. renal artery occlusion, nephropathy
2800/348	Urinary tract infections
2800/36	Gynecology or obstetrics
2800/361	Menstrual abnormalities or abnormal uterine
	bleeding, e.g. dysmenorrhea
2800/362	Menopause
2800/364	• Endometriosis, i.e. non-malignant disorder in
	which functioning endometrial tissue is present
2000/265	outside the uterine cavity
2800/365	Breast disorders, e.g. mastalgia, mastitits, Paget's disorders
2000/267	disease
2800/367	Infertility, e.g. sperm disorder, ovulatory dysfunction
2800/368	ž
2800/308	Pregnancy complicated by disease or abnormalities of pregnancy, e.g. preeclampsia,
	preterm labour
2800/38	Pediatrics
2800/382	. Cystic fibrosis
2800/385	Congenital anomalies
2800/387	Down syndrome; Trisomy 18; Trisomy 13
2800/40	Disorders due to exposure to physical agents, e.g.
2000/10	heat disorders, motion sickness, radiation injuries,
	altitude sickness, decompression illness
2800/42	• Poisoning, e.g. from bites or stings
2800/44	Multiple drug resistance
2800/50	Determining the risk of developing a disease
2800/52	• Predicting or monitoring the response to treatment,
	e.g. for selection of therapy based on assay results in
	personalised medicine; Prognosis
2800/54	Determining the risk of relapse
2800/56	Staging of a disease; Further complications
	associated with the disease
2800/60	Complex ways of combining multiple protein
	biomarkers for diagnosis

(G01N 2800/02 - G01N 2800/44 take precedence) 2800/7004	
2800/7009 Oxidative stress	
2800/7014 (Neo)vascularisation - Angiogenesis	
2800/7019 Ischaemia	
2800/7023 (Hyper)proliferation	
2800/7028 Cancer	
2800/7033 Non-proliferative mechanisms	
2800/7038 Hypoxia	
2800/7042 Aging, e.g. cellular aging	
2800/7047 Fibrils-Filaments-Plaque formation	
2800/7052 Fibrosis	
2800/7057 (Intracellular) signaling and trafficking pathways	
2800/7061 Endoplasmic reticulum to Golgi trafficking	
2800/7066 Metabolic pathways	
2800/7071 Carbohydrate metabolism, e.g. glycolysis,	
gluconeogenesis	
2800/7076 Amino acid metabolism	
2800/708 Nitrogen metabolism, e.g. urea cycle	
2800/7085 Lipogenesis or lipolysis, e.g. fatty acid	
metabolism	
2800/709 Toxin induced	
2800/7095 Inflammation	