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1. Computerimplementiertes Verfahren und Vorrichtung zum Erstellen eines Knowledge Graph

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Computerimplementiertes Verfahren und Vorrichtung zum Erstellen eines Knowledge Graph	ADEL-VU HEIKE [DE] VU NGOC THANG [DE] SCHUFF HENDRIK [DE]	BOSCH GMBH ROBERT [DE]	DE102020205394A1	2020-04-29	G06F16/30 G06F40/30 G06N3/02 G06N5/02	G06N20/00 (EP) G06N3/04 (US) G06N3/08 (US) G06N5/02 (US) G06N5/025 (EP) G06N5/045 (EP)	2021-11-04	2021-10-29	078161454

2. DEVICE AND METHOD FOR DETERMINING A KNOWLEDGE GRAPH

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
DEVICE AND METHOD FOR DETERMINING A KNOWLEDGE GRAPH	STROETGEN JANNIK [DE] ADEL-VU HEIKE [DE] LANGE LUKAS [DE]	BOSCH GMBH ROBERT [DE]	EP3905097A1	2020-04-30	G06F40/295	G06F40/295 (EP) G06N20/00 (US) G06N3/044 (EP) G06N3/08 (EP) G06N5/022 (EP) G06N5/04 (US)	2021-11-03	2021-11-01	070482401

3. Vorrichtung und Verfahren zum Bestimmen eines Knowledge Graph

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Vorrichtung und Verfahren zum Bestimmen eines Knowledge Graph	ADEL-VU HEIKE [DE] VU NGOC THANG [DE] SCHUFF HENDRIK [DE]	BOSCH GMBH ROBERT [DE]	DE102020205534A1	2020-04-30	G06F16/36 G06F40/30 G06N3/02 G06N5/02	G06F16/367 (CN) G06F40/295 (CN) G06F40/30 (EP) G06N20/00 (EP,US) G06N5/02 (US) G06N5/022 (EP) G06N5/04 (US)	2021-11-04	2021-11-01	078243148

4. CAPABILITY ANALYSIS OF A COMPONENT WITHIN AN INDUSTRIAL AUTOMATION SYSTEM

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CAPABILITY ANALYSIS OF A COMPONENT WITHIN AN INDUSTRIAL AUTOMATION SYSTEM	BAKAKEU NGASSAM ROMUALD JUPITER [DE] ELSTERER STEFAN [DE] ELTING MICHAEL [DE]	SIEMENS AG [DE] UNIV FRIEDRICH ALEXANDER ER [DE]	EP4160446A1	2021-09-29	G06F16/84	G05B19/41865 (EP) G05B19/41885 (EP) G05B2219/23455 (EP) G05B2219/25417 (EP) G05B2219/25418 (EP) G05B2219/31325 (EP) G05B2219/35173 (EP)	2023-04-05	2023-04-05	078134801

5. METHOD AND SYSTEM FOR PROVIDING AN INDUSTRIAL SOLUTION USING ARTIFICIAL INTELLIGENCE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD AND SYSTEM FOR PROVIDING AN INDUSTRIAL SOLUTION USING ARTIFICIAL INTELLIGENCE	BÄR SCHIRIN [DE] BÄR FELIX [DE]	SIEMENS AG [DE]	WO2022043455A1	2020-08-28	G06N5/02 G06N20/00	G06N5/022 (EP) G06N20/00 (EP)	2022-03-03	2022-03-02	072290920

6. Vorrichtung und Verfahren zum Befüllen eines Knowledge-Graphen, Trainingsverfahren dafür

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Vorrichtung und Verfahren zum Befüllen eines Knowledge-Graphen, Trainingsverfahren dafür	FRIEDRICH ANNEMARIE [DE] GRUENEWALD STEFAN [DE]	BOSCH GMBH ROBERT [DE]	DE102020213176A1	2020-10-19	G06N5/00	G06F40/211 (EP,US) G06F40/284 (EP,US) G06N3/045 (EP) G06N3/08 (EP) G06N5/02 (US) G06N5/022 (EP) G06N7/01 (EP)	2022-04-21	2022-04-21	080929617

7. METHOD AND ASSEMBLY FOR PRESENTING A THREE-DIMENSIONAL BUILDING MODEL ON A DISPLAY DEVICE ON THE BASIS OF A KNOWLEDGE GRAPH

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD AND ASSEMBLY FOR PRESENTING A THREE-DIMENSIONAL BUILDING MODEL ON A DISPLAY DEVICE ON THE BASIS OF A KNOWLEDGE GRAPH	MAYER HERMANN GEORG [DE] ZECHLIN OLIVER [CH]	SIEMENS AG [DE]	WO2022042925A1	2020-08-25	G06T15/40 G06T19/00	G06T15/40 (EP) G06T19/00 (EP) G06T2210/04 (EP) G06T2210/61 (EP)	2022-03-03	2022-03-02	072266111

8. A METHOD FOR GENERATING A SEMANTIC DESCRIPTION OF A COMPOSITE INTERACTION

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
A METHOD FOR GENERATING A SEMANTIC DESCRIPTION OF A COMPOSITE INTERACTION	ANICIC DARKO [DE] THULUVA APARNA SAISREE [DE]	SIEMENS AG [DE]	EP3712787A1 EP3712787B1	2019-03-18	G06F16/36 H04L12/24 G06F40/186 G06F40/30	G06F16/3344 (CN) G06F16/367 (CN) G06F3/0486 (US) G06F40/186 (EP) G06F40/30 (EP,CN,US) G06F8/20 (US) G06F8/34 (US) G06F8/38 (US) H04L41/22 (EP)	2020-09-23 2021-12-29	2020-09-23	065903904

9. MASCHINENLERNEN ZUM INTEGRIEREN VON WISSENS- UND NATÜRLICHER SPRACHVERARBEITUNG

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MASCHINENLERNEN ZUM INTEGRIEREN VON WISSENS- UND NATÜRLICHER SPRACHVERARBEITUNG	BACARELLA DAVID [US] BARNEBEE JAMES [US] LAWRENCE NICHOLAS [US] PATEL SUMIT [US]	IBM [US]	DE112018005894T5	2018-01-10	G06F16/36 G06F16/901 G06F21/64 G06F40/237	G06F16/3331 (US) G06F16/367 (US) G06F16/9024 (US) G06F40/216 (EP,US) G06F40/226 (EP,US) G06F40/237 (EP,GB,US) G06F40/295 (EP,US) G06F40/30 (EP,US) G06F40/40 (US) G06N20/00 (GB,US) G06N5/022 (EP,GB) G06N5/043 (US) H04L67/104 (US) H04L9/0637 (US) H04L9/3239 (EP) H04L9/50 (EP) G06F16/3331 (GB) G06F16/367 (GB) G06F16/9024 (GB) G06F40/20 (GB) G06F40/30 (GB) G06N20/00 (EP)	2020-07-30	2019-07-11	067139857

10. CONTENT SEARCH ENGINE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
		KENSHO TECH LLC [US]							

16/08/2023, 10:45		Espacenet – patent search							
CONTENT SEARCH ENGINE	TAYCHER LEONID [US] WHITMORE SAMANTHA [US] GRUEVSKI PREDRAG [US] CARROLL COLLIN [US] RANTI CAROLYN [US] COHEN BENJAMIN [US] YURTSEV EUGENE [US] TAYLOR MATTHEW [US] BROUN ADAM [US]		EP3577574A1 EP3577574B1	2017-02-02	G06F16/36 G06F16/901	G06F16/24568 (US) G06F16/36 (EP) G06F16/9024 (EP,US) G06F16/9535 (US) G06N5/022 (EP,US) G06N5/04 (EP,US) G06Q10/06 (EP) G06Q30/0269 (EP,US)	2019-12-11 2021-09-08	2018-08-02	062980552

11. Vorrichtung und Verfahren zum Bestimmen wenigstens eines Teils eines Knowledge Graphs									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Vorrichtung und Verfahren zum Bestimmen wenigstens eines Teils eines Knowledge Graphs	ADEL-VU HEIKE [DE] HINGERL JOHANNES CHRISTOPH [DE] FRIEDRICH ANNEMARIE [DE]	BOSCH GMBH ROBERT [DE]	DE102020206135A1	2020-05-15	G06F16/31 G06F16/36 G06F16/901 G06N5/02	G06F16/355 (CN) G06F16/367 (CN) G06F40/216 (CN) G06F40/279 (US) G06F40/284 (CN) G06F40/30 (EP) G06N20/00 (US) G06N3/044 (EP) G06N3/047 (EP) G06N5/02 (US) G06N5/022 (EP) G06N5/04 (US) G06N3/045 (EP) G06N3/08 (EP) G06N7/01 (EP)	2021-11-18	2021-11-18	078280329

12. Computerimplementiertes Verfahren zum Identifizieren von Fehlern und/oder Fehlermustern in zu prüfenden Objekten									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Computerimplementiertes Verfahren zum Identifizieren von Fehlern und/oder Fehlermustern in zu prüfenden Objekten	AICHELE HERMANN [DE] KLAEDTKE ANDREAS [DE] KELLER CHRISTOPH [DE] STEPANOVA DARIA [DE]	BOSCH GMBH ROBERT [DE]	DE102020202092A1	2020-02-19	G06F30/27 G06N5/00	G06F30/27 (EP) G06N5/025 (EP)	2021-08-19	2021-08-19	077060710

13. METHOD FOR DETECTING THE CAUSES OF ANOMALIES AFFECTING A PHYSICAL PRODUCT									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR DETECTING THE CAUSES OF ANOMALIES AFFECTING A PHYSICAL PRODUCT	HAUSER TOBIAS [DE] LUTZ BENJAMIN SAMUEL [DE] PANTANO MATTEO [DE] REGULIN DANIEL [DE] REISCH RAVEN THOMAS [DE]	SIEMENS AG [DE]	EP4141595A1	2021-08-26	B29C64/10 B33Y99/00 G05B19/042 G05B19/418 G05B23/02	B33Y50/00 (EP) G05B19/41875 (EP)	2023-03-01	2023-03-01	077519008

14. Knowledge graph construction method and device, knowledge graph system and equipment									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Knowledge graph construction method and	ZHANG HANCHU	LENOVO BEIJING CO LTD	CN111984643A	2020-06-29	G06F16/22 G06F16/23	G06F16/22 (CN) G06F16/23 (CN)	2020-11-24	2020-11-24	073437645

device, knowledge graph system and equipment					G06F16/242 G06F16/2458	G06F16/242 (CN) G06F16/2465 (CN)			
15. KNOWLEDGE GRAPH WEIGHTING DURING CHATBOT SESSIONS									
Title KNOWLEDGE GRAPH WEIGHTING DURING CHATBOT SESSIONS	Inventors LECUE FREDDY [IE] GUERET CHRISTOPHE DOMINIQUE MARIE [IE] CAHALANE DIARMUID JOHN [IE]	Applicants ACCENTURE GLOBAL SOLUTIONS LTD [IE]	Publication number US11126919B2 US2020074319A1	Earliest priority 2018-08-30	IPC G06N3/00 G06N5/04 G06F16/901	CPC G06F16/9024 (EP,US) G06F16/90332 (EP) G06F16/9535 (EP) G06F40/30 (EP) G06N3/006 (US) G06N5/022 (EP) G06N5/04 (EP,US) H04L51/02 (EP) G06N3/006 (EP)	Publication date 2020-03-05 2021-09-21	Earliest publication 2020-03-05	Family number 069641330
16. SYSTEM AND METHOD FOR UPDATING KNOWLEDGE GRAPH									
Title SYSTEM AND METHOD FOR UPDATING KNOWLEDGE GRAPH	Inventors LEE HYONSOK [KR] JEONG MIRAE [KR] KANG JIYOUNG [KR] LEE KYUNGHWAN [KR] LEE JEONGHYEON [KR] LEE JUNHYUK [KR]	Applicants SAMSUNG ELECTRONICS CO LTD [KR]	Publication number US11386064B2 US2021117402A1	Earliest priority 2019-10-17	IPC G06F16/23 G06F16/901	CPC G06F16/23 (US) G06F16/36 (KR) G06F16/9024 (KR,US) G06N5/02 (KR) G06N5/022 (EP)	Publication date 2021-04-22 2022-07-12	Earliest publication 2021-04-22	Family number 075491979
17. KNOWLEDGE GRAPH FUSION									
Title KNOWLEDGE GRAPH FUSION	Inventors YUAN ZHONG FANG [CN] GAO CHEN [CN] LIU TONG [CN] KONG DE SHUO [CN] LAN CI-WEI [TW] HE RONG FU [CN]	Applicants IBM [US]	Publication number US2022075948A1	Earliest priority 2020-09-10	IPC G06F16/901 G06F40/295 G06N5/02	CPC G06F16/1774 (EP) G06F16/9024 (US) G06F40/295 (EP,US) G06N20/00 (US) G06N5/02 (US) G06N5/022 (EP) G06N20/00 (EP)	Publication date 2022-03-10	Earliest publication 2022-03-10	Family number 080470719
18. Electric power data global knowledge graph completion method based on quota knowledge graph technology									
Title Electric power data global knowledge graph completion method based on quota knowledge graph technology	Inventors LI WENBO QIAN HONGJUAN GUI YUANMIAO QIU QI XU CHENHUI WANG KUANG XUE RUI YAO BO HU HONG LI CHUANFANG CHANG XINGXING	Applicants NINGBO QIANRUI NAVIGATION TECH CO LTD HEFEI ZHONGKE JIADIAN INTELLIGENT TECH CO LTD	Publication number CN113190651A CN113190651B	Earliest priority 2021-04-23	IPC G06F16/33 G06F16/35 G06F16/36 G06F40/216 G06F40/242 G06N3/04 G06N3/08 G06Q10/10	CPC G06F16/3335 (CN) G06F16/3344 (CN) G06F16/3346 (CN) G06F16/335 (CN) G06F16/367 (CN) G06F40/216 (CN) G06F40/242 (CN) G06N3/044 (CN) G06N3/047 (CN) G06N3/08 (CN) G06Q10/103 (CN) Y04S10/50 (EP)	Publication date 2021-07-30 2022-09-09	Earliest publication 2021-07-30	Family number 076978215
19. METHOD AND APPARATUS FOR PROVIDING CONTENT BASED ON KNOWLEDGE GRAPH									