CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

PAPER

D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

D21G CALENDERS; ACCESSORIES FOR PAPER-MAKING MACHINES (winders or

rewinders for finished products, means for adjustment of wrinkles or lateral extensions B65H)

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	Calenders (if restricted to the treatment of particular materials <u>see</u> the relevant class, e.g. <u>B29C 43/24</u> , <u>D06</u>); Smoothing apparatus	3/005 3/02 3/04	 {Doctor knifes} for calenders for drying cylinders
1/0006 1/0013 1/002	 {Driving arrangements} {for controlled deflection rolls} {Opening or closing mechanisms; Regulating the pressure} {Arrangements for maintaining uniform nip conditions} {by offsetting the roll axes horizontally} {Regulating the pressure} {depending on the measured properties of the calendered web} {using magnetic forces} {with extended nips} {using a special calendering belt} {Accessories for calenders} {Vibration-preventing or -eliminating devices} {Web feeding or guiding devices} {Web conditioning devices} Rolls; Their bearings (in general F16C 13/00) {Controlled deflection rolls} {with deflection compensation means acting between the roller shell and its supporting member} 	5/00 5/005 7/00	Safety devices . {for calenders} Damping devices
1/0026 1/0033 1/004 1/0046 1/0053 1/006 1/0066 1/0073 1/008 1/0093 1/02 1/0206 1/0213		9/00 9/0009 9/0018 9/0027 9/0036 9/0045 9/0054 9/0063 9/0072 9/0081	9/0009 • {Paper-making control systems} 9/0018 • {controlling the stock preparation} 9/0027 • {controlling the forming section} 9/0036 • {controlling the press or drying section} 9/0045 • {controlling the calendering or finishing} 9/0054 • {details of algorithms or programs} 9/0063 • {Devices for threading a web tail through a paper-making machine} 9/0072 • {using at least one rope} 9/0081 • {Apparatus for removing samples from travelling web material}
1/022 1/0226 1/0233 1/024 1/0246 1/0253 1/026 1/0266 1/0273 1/028 1/0286	 { the means using fluid pressure } . { Bearings } . { Soft rolls } { formed from a plurality of compacted disc elements or from a spirally-wound band } . { Hard rolls } . { Heating or cooling the rolls; Regulating the temperature } { using the hydraulic fluid in controlled deflection rolls } { using a heat-transfer fluid (D21G 1/026 takes precedence) } { on the exterior surface of the rolls } { using electrical means } { Regulating the axial or circumferential 		

3/00 Doctors

1/0293

temperature profile of the roll}

removal of the rolls}

. . {Provisions or constructions to facilitate the

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