

CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

PAPER

D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

D21B FIBROUS RAW MATERIALS OR THEIR MECHANICAL TREATMENT

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	Fibrous raw materials or their mechanical treatment (pretreatment of the finely-divided materials before digesting D21C 1/00 ; methods of beating or refining pulp D21D 1/00 ; purification of the pulp suspension by mechanical means D21D 5/00)	1/34 1/342 1/345 1/347 1/36	. . . . Kneading or mixing; Pulpers {Mixing apparatus} {Pulpers} {Rotor assemblies}
1/02	. Pretreatment of the raw materials by chemical or physical means (removal of bark B27L)	1/36	. . . . Explosive disintegration by sudden pressure reduction
1/021	. . {by chemical means}	1/38	. Conserving the finely-divided cellulosic material
1/023	. . {Cleaning wood chips or other raw materials}		
1/025	. . {Separating pith from fibrous vegetable materials}		
1/026	. . {Separating fibrous materials from waste}		
1/028	. . . {by dry methods}		
1/04	. by dividing raw materials into small particles, e.g. fibres (breaking-up or cutting wood or the like by dry methods B27L ; mechanical separation of fibres from plant material D01B 1/00 ; hackling or heckling machines D01B 5/00)		
1/06	. . by dry methods		
1/061	. . . {using cutting devices}		
1/063	. . . {using grinding devices}		
1/065	. . . . {of the magazine type}		
1/066	. . . {the raw material being pulp sheets}		
1/068	. . . . {by cutting actions}		
1/08	. . . the raw material being waste paper (chemical part D21C 5/02); the raw material being rags		
1/10	. . . . by cutting actions		
1/12	. . by wet methods, by the use of steam (beaters D21D 1/00)		
1/14	. . . Disintegrating in mills		
1/16	. . . . in the presence of chemical agents		
1/18	. . . . in magazine-type machines		
1/20	. . . . . with chain feed		
1/22	. . . . . with screw feed		
1/24	. . . . . of the pocket type		
1/26	. . . . Driving or feeding arrangements		
1/28	. . . . Dressers for mill stones, combined with the mill		
1/30	. . . Defibrating by other means		
1/303	. . . . {using vibrating devices}		
1/306	. . . . {using microwaves}		
1/32	. . . . of waste paper		
1/322	. . . . . {coated with synthetic materials}		
1/325	. . . . . {de-inking devices}		
1/327	. . . . . {using flotation devices}		