

# 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.

<b>1/00</b>	<b>Fibrous raw materials or their mechanical treatment</b> (pretreatment of the finely-divided materials before digesting <a href="#">D21C 1/00</a> ; methods of beating or refining pulp <a href="#">D21D 1/00</a> ; purification of the pulp suspension by mechanical means <a href="#">D21D 5/00</a> )	1/34	. . . . Kneading or mixing; Pulpers
		1/342	. . . . . {Mixing apparatus}
		1/345	. . . . . {Pulpers}
		1/347	. . . . . {Rotor assemblies}
1/02	. Pretreatment of the raw materials by chemical or physical means (removal of bark <a href="#">B27L</a> )	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 <a href="#">B27L</a> ; mechanical separation of fibres from plant material <a href="#">D01B 1/00</a> ; hackling or heckling machines <a href="#">D01B 5/00</a> )		
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 <a href="#">D21C 5/02</a> ); the raw material being rags		
1/10	. . . . by cutting actions		
1/12	. . by wet methods, by the use of steam ( <a href="#">beaters D21D 1/00</a> )		
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}		