

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### PAPER

## D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

## D21D TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE

### 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>Methods of beating or refining; Beaters of the Hollander type</b> (knotter screens <a href="#">D21F</a> )	5/08	. . . combined with a rocking movement
1/002	. {Control devices}	5/10	. . . . of the tank
1/004	. {Methods of beating or refining including dispersing or deflaking}	5/12	. . . . of the screen
1/006	. . {Disc mills}	5/14	. . . . of the tank and the screen
1/008	. . . {Discs}	5/16	. . Cylinders and plates for screens
1/02	. Methods of beating; Beaters of the Hollander type	5/18	. with the aid of centrifugal force
1/04	. . Beater rolls or bars	5/20	. . in apparatus with a horizontal axis
1/06	. . Bed plates	5/22	. . in apparatus with a vertical axis
1/08	. . Beaters with means for driving the pulp quickly	5/24	. . in cyclones
1/10	. . Beaters with means for regulating the pressure between the beater roll and the bed plate	5/26	. De-aeration of paper stock
1/12	. . Beaters with means for continuous pulp discharge	5/28	. Tanks for storing or agitating pulp
1/14	. . Beaters with one beater roll and with vertical stuff circulation canal	<b>99/00</b>	<b>Subject matter not provided for in other groups of this subclass</b>
1/16	. . Beaters with means for returning the pulp over the head of the beater roll		
1/18	. . Beaters with two or more beater rolls		
1/20	. Methods of refining		
1/22	. . Jordans		
1/24	. . . Jordan rolls		
1/26	. . . Jordan bed plates		
1/28	. . Ball or rod mills		
1/30	. . Disc mills		
1/303	. . . {Double disc mills}		
1/306	. . . {Discs}		
1/32	. . Hammer mills		
1/34	. . Other mills or refiners		
1/36	. . . with vertical shaft		
1/38	. . . with horizontal shaft		
1/40	. . Washing the fibres		
<b>5/00</b>	<b>Purification of the pulp suspension by mechanical means; Apparatus therefor</b> (centrifuges, cyclones <a href="#">B04</a> )		
5/005	. {Forming fibrous aggregates}		
5/02	. Straining or screening the pulp		
5/023	. . {Stationary screen-drums}		
5/026	. . . {with rotating cleaning foils}		
5/04	. . Flat screens		
5/043	. . . {Vibrating screens}		
5/046	. . . {Rotary screens}		
5/06	. . Rotary screen-drums		