

CPC**COOPERATIVE PATENT CLASSIFICATION****D21D****TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE****Guidance heading:****D21D 1/00** **Methods of beating or refining; Beaters of the Hollander type** ([knotter screens D21F](#))

D21D 1/002 . {Control devices }

D21D 1/004 . { Methods of beating or refining including disperging or deflaking }

D21D 1/006 . . { Disc mills }

D21D 1/008 . . . { Discs }

D21D 1/02 . Methods of beating; Beaters of the Hollander type

D21D 1/04 . . Beater rolls or bars

D21D 1/06 . . Bed plates

D21D 1/08 . . Beaters with means for driving the pulp quickly

D21D 1/10 . . Beaters with means for regulating the pressure between the beater roll and the bed plate

D21D 1/12 . . Beaters with means for continuous pulp discharge

D21D 1/14 . . Beaters with one beater roll and with vertical stuff circulation canal

D21D 1/16 . . Beaters with means for returning the pulp over the head of the beater roll

D21D 1/18 . . Beaters with two or more beater rolls

D21D 1/20 . Methods of refining

D21D 1/22 . . Jordans

D21D 1/24 . . . Jordan rolls

D21D 1/26 . . . Jordan bed plates

D21D 1/28 . . Ball or rod mills

D21D 1/30 . . Disc mills

D21D 1/303 . . . {Double disc mills }

D21D 1/306 . . . {Discs }

D21D 1/32 . . Hammer mills

D21D 1/34 . . Other mills or refiners

D21D 1/36 . . . with vertical shaft

D21D 1/38 . . . with horizontal shaft

D21D 1/40 . . Washing the fibres

D21D 5/00 **Purification of the pulp suspension by mechanical means; Apparatus therefor** ([centrifuges, cyclones B04](#))

D21D 5/005 . {Forming fibrous aggregates }

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| D21D 5/02 | . Straining or screening the pulp |
| D21D 5/023 | .. {Stationary screen-drums } |
| D21D 5/026 | ... {with rotating cleaning foils } |
| D21D 5/04 | .. Flat screens |
| D21D 5/043 | ... {Vibrating screens } |
| D21D 5/046 | ... {Rotary screens } |
| D21D 5/06 | .. Rotary screen-drums |
| D21D 5/08 | ... combined with a rocking movement |
| D21D 5/10 | of the tank |
| D21D 5/12 | of the screen |
| D21D 5/14 | of the tank and the screen |
| D21D 5/16 | .. Cylinders and plates for screens |
| D21D 5/18 | . with the aid of centrifugal force |
| D21D 5/20 | .. in apparatus with a horizontal axis |
| D21D 5/22 | .. in apparatus with a vertical axis |
| D21D 5/24 | .. in cyclones |
| D21D 5/26 | . De-aeration of paper stock |
| D21D 5/28 | . Tanks for storing or agitating pulp |
| D21D 99/00 | Subject matter not provided for in other groups of this subclass |