

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 }

- 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**