

CPC**COOPERATIVE PATENT CLASSIFICATION****D21D****TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE****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**