

**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**