

**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	<b>Subject matter not provided for in other groups of this subclass</b>