

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