

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### PAPER

#### D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

#### D21D TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE

- |             |  |              |   |
|-------------|--|--------------|---|
| <b>1/00</b> | <b>Methods of beating or refining; Beaters of the Hollander type (knotter screens <a href="#">D21F</a>)</b>                    | 5/16         | . . Cylinders and plates for screens                                    |
| 1/002       | . {Control devices}  | 5/18         | . with the aid of centrifugal force                                     |
| 1/004       | . {Methods of beating or refining including dispersing or deflaking}   | 5/20         | . . in apparatus with a horizontal axis                                 |
| 1/006       | . . {Disc mills}   | 5/22         | . . in apparatus with a vertical axis                                   |
| 1/008       | . . . {Discs}  | 5/24         | . . in cyclones   |
| 1/02        | . Methods of beating; Beaters of the Hollander type  | 5/26         | . De-aeration of paper stock  |
| 1/04        | . . Beater rolls or bars   | 5/28         | . Tanks for storing or agitating pulp                                   |
| 1/06        | . . Bed plates   | <b>99/00</b> | <b>Subject matter not provided for in other groups of this subclass</b> |
| 1/08        | . . Beaters with means for driving the pulp quickly  |              |   |
| 1/10        | . . Beaters with means for regulating the pressure between the beater roll and the bed plate                                   |              |   |
| 1/12        | . . Beaters with means for continuous pulp discharge   |              |   |
| 1/14        | . . Beaters with one beater roll and with vertical stuff circulation canal   |              |   |
| 1/16        | . . Beaters with means for returning the pulp over the head of the beater roll   |              |   |
| 1/18        | . . Beaters with two or more beater rolls  |              |   |
| 1/20        | . Methods of refining  |              |   |
| 1/22        | . . Jordans  |              |   |
| 1/24        | . . . Jordan rolls   |              |   |
| 1/26        | . . . Jordan bed plates  |              |   |
| 1/28        | . . Ball or rod mills  |              |   |
| 1/30        | . . Disc mills   |              |   |
| 1/303       | . . . {Double disc mills}  |              |   |
| 1/306       | . . . {Discs}  |              |   |
| 1/32        | . . Hammer mills   |              |   |
| 1/34        | . . Other mills or refiners  |              |   |
| 1/36        | . . . with vertical shaft  |              |   |
| 1/38        | . . . with horizontal shaft  |              |   |
| 1/40        | . . Washing the fibres   |              |   |
| <b>5/00</b> | <b>Purification of the pulp suspension by mechanical means; Apparatus therefor (centrifuges, cyclones <a href="#">B04</a>)</b> |              |   |
| 5/005       | . {Forming fibrous aggregates}   |              |   |
| 5/02        | . Straining or screening the pulp  |              |   |
| 5/023       | . . {Stationary screen-drums}  |              |   |
| 5/026       | . . . {with rotating cleaning foils}   |              |   |
| 5/04        | . . Flat screens   |              |   |
| 5/043       | . . . {Vibrating screens}  |              |   |
| 5/046       | . . . {Rotary screens}   |              |   |
| 5/06        | . . Rotary screen-drums  |              |   |
| 5/08        | . . . combined with a rocking movement   |              |   |
| 5/10        | . . . . of the tank  |              |   |
| 5/12        | . . . . of the screen  |              |   |
| 5/14        | . . . . of the tank and the screen   |              |   |