

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### PAPER

## D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

## D21B FIBROUS RAW MATERIALS OR THEIR MECHANICAL TREATMENT

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

|             |   |       |   |
|-------------|---|-------|---|
| <b>1/00</b> | <b>Fibrous raw materials or their mechanical treatment</b> (pretreatment of the finely-divided materials before digesting <a href="#">D21C 1/00</a> ; methods of beating or refining pulp <a href="#">D21D 1/00</a> ; purification of the pulp suspension by mechanical means <a href="#">D21D 5/00</a> ) | 1/34  | . . . . Kneading or mixing; Pulpers                           |
|             |   | 1/342 | . . . . . {Mixing apparatus}                                  |
|             |   | 1/345 | . . . . . {Pulpers}   |
|             |   | 1/347 | . . . . . {Rotor assemblies}                                  |
| 1/02        | . Pretreatment of the raw materials by chemical or physical means (removal of bark <a href="#">B27L</a> )   | 1/36  | . . . . Explosive disintegration by sudden pressure reduction |
| 1/021       | . . {by chemical means}   | 1/38  | . Conserving the finely-divided cellulosic material           |
| 1/023       | . . {Cleaning wood chips or other raw materials}  |       |   |
| 1/025       | . . {Separating pith from fibrous vegetable materials}  |       |   |
| 1/026       | . . {Separating fibrous materials from waste}   |       |   |
| 1/028       | . . . {by dry methods}  |       |   |
| 1/04        | . by dividing raw materials into small particles, e.g. fibres (breaking-up or cutting wood or the like by dry methods <a href="#">B27L</a> ; mechanical separation of fibres from plant material <a href="#">D01B 1/00</a> ; hackling or heckling machines <a href="#">D01B 5/00</a> )                    |       |   |
| 1/06        | . . by dry methods  |       |   |
| 1/061       | . . . {using cutting devices}   |       |   |
| 1/063       | . . . {using grinding devices}  |       |   |
| 1/065       | . . . . {of the magazine type}  |       |   |
| 1/066       | . . . {the raw material being pulp sheets}  |       |   |
| 1/068       | . . . . {by cutting actions}  |       |   |
| 1/08        | . . . the raw material being waste paper (chemical part <a href="#">D21C 5/02</a> ); the raw material being rags  |       |   |
| 1/10        | . . . . by cutting actions  |       |   |
| 1/12        | . . by wet methods, by the use of steam ( <a href="#">beaters D21D 1/00</a> )   |       |   |
| 1/14        | . . . Disintegrating in mills   |       |   |
| 1/16        | . . . . in the presence of chemical agents  |       |   |
| 1/18        | . . . . in magazine-type machines   |       |   |
| 1/20        | . . . . . with chain feed   |       |   |
| 1/22        | . . . . . with screw feed   |       |   |
| 1/24        | . . . . . of the pocket type  |       |   |
| 1/26        | . . . . Driving or feeding arrangements   |       |   |
| 1/28        | . . . . Dressers for mill stones, combined with the mill  |       |   |
| 1/30        | . . . Defibrating by other means  |       |   |
| 1/303       | . . . . {using vibrating devices}   |       |   |
| 1/306       | . . . . {using microwaves}  |       |   |
| 1/32        | . . . . of waste paper  |       |   |
| 1/322       | . . . . . {coated with synthetic materials}   |       |   |
| 1/325       | . . . . . {de-inking devices}   |       |   |
| 1/327       | . . . . . {using flotation devices}   |       |   |