

CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

PAPER

D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

D21B FIBROUS RAW MATERIALS OR THEIR MECHANICAL TREATMENT

- 1/00 Fibrous raw materials or their mechanical treatment** (pretreatment of the finely-divided materials before digesting [D21C 1/00](#); methods of beating or refining pulp [D21D 1/00](#); purification of the pulp suspension by mechanical means [D21D 5/00](#))
- 1/02 . Pretreatment of the raw materials by chemical or physical means ([removal of bark B27L](#))
- 1/021 . . {by chemical means}
- 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 B27L](#); mechanical separation of fibres from plant material [D01B 1/00](#); hackling or heckling machines [D01B 5/00](#))
- 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 D21C 5/02](#)); the raw material being rags
- 1/10 by cutting actions
- 1/12 . . by wet methods, by the use of steam ([beaters D21D 1/00](#))
- 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}
- 1/34 Kneading or mixing; Pulpers
- 1/342 {Mixing apparatus}
- 1/345 {Pulpers}
- 1/347 {Rotor assemblies}
- 1/36 Explosive disintegration by sudden pressure reduction
- 1/38 . Conserving the finely-divided cellulosic material