

Title (en)

Device and machine for the mechanical treatment of high consistency pulp

Title (de)

Vorrichtung und Behandlungsmaschine zur mechanischen Behandlung von hochkonsistentem Faserstoff

Title (fr)

Dispositif et machine pour le traitement mécanique de pulpe à consistance élevée

Publication

EP 0773317 B1 20010110 (DE)

Application

EP 96115699 A 19961001

Priority

DE 19541892 A 19951110

Abstract (en)

[origin: US5727743A] Treatment tools for the mechanical treatment of high-consistency fibrous material, and preferably for dispersing waste paper. The treatment tools are provided with teeth and are moved past one another with tight spacing so that the fibrous material disposed between treatment tool may be subjected to high shearing forces. Because of the intense loading of the teeth, the teeth may be arranged together in groups. The groups established according to at least two different, predetermined axial length gaps between each of the teeth of the treatment tools. As a result, a higher mechanical strength of the teeth is achieved and a large through flow area is offered for the material to be treated.

IPC 1-7

D21D 1/30; **B01F 7/00**; **B02C 7/12**; **B02C 13/22**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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AT DE FR SE

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US 5727743 A 19980317; AT E198633 T1 20010115; BR 9605489 A 19980811; CA 2189902 A1 19970511; DE 19541892 C1 19961121; DE 59606304 D1 20010215; EP 0773317 A1 19970514; EP 0773317 B1 20010110; JP H09170184 A 19970630; KR 970027517 A 19970624; NO 308221 B1 20000814; NO 964739 D0 19961108; NO 964739 L 19970512

DOCDB simple family (application)

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