

Title (en)

Method for milling paper fibres

Title (de)

Verfahren zur Mahlung von Papierfasern

Title (fr)

Procédé pour le broyage de fibres de papier

Publication

EP 0779391 A1 19970618 (DE)

Application

EP 96115697 A 19961001

Priority

DE 19547069 A 19951216

Abstract (en)

A process for milling paper fibres (F) in an aqueous suspension entails mechanically stressing the fibres between opposing milling tools (3, 3', 4, 4') moving relative to each other to such an extent that their length is shortened, their surfaces extended or both. They are milled in at least two consecutive stages (1, 2), the primary milling stage (1) being implemented with milling tools (3, 3') from which at least one faces the opposing tool with a porous abrasive surface having a depth of roughness of at least 0.2 mm. In the secondary stage (2) the tools (4, 4') making contact with the fibres are milling bars or blade trimmings which work against one another.

Abstract (de)

Bei dem Verfahren zur Mahlung von Papierfasern (F) werden zwei Mahlstufen (1, 2) hintereinandergeschaltet. In der ersten Mahlstufe (1) werden die Papierfasern zwischen Mahlwerkzeugen (3, 3') behandelt, von denen mindestens eines eine hartporige abrasive Oberfläche hat, während in der zweiten Mahlstufe (2) die Behandlung zwischen Messergarnituren erfolgt. Durch das Verfahren sind beträchtliche Energieeinsparungen möglich.
<IMAGE>

IPC 1-7

D21D 1/30

IPC 8 full level

D21D 1/30 (2006.01)

CPC (source: EP)

D21D 1/30 (2013.01)

Citation (search report)

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DOCDB simple family (publication)

EP 0779391 A1 19970618; EP 0779391 B1 20010404; AT E200322 T1 20010415; CA 2192728 A1 19970617; DE 19547069 A1 19970619; DE 59606710 D1 20010510; NO 964593 D0 19961030; NO 964593 L 19970617

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