

Title (en)

METHOD FOR GRINDING WATER-SUSPENDED PAPER FIBERS OR CELLULOSE FIBERS

Title (de)

VERFAHREN ZUR MAHLUNG VON WÄSSRIG SUSPENDIERTEN PAPIERFASERN ODER ZELLSTOFFFASERN

Title (fr)

PROCEDE DE BROYAGE DE FIBRES DE PAPIER OU DE FIBRES DE CELLULOSE EN SUSPENSION DANS L'EAU

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005061783A1] The method is used to grind a suspension of paper fibers (S). Said suspension is ground predominantly as a result of pressure forces between two grinding surfaces (1,2) which are located on grinding tools which are pressed against each other since the grinding tools in the grinding area cannot move or only move very little in relation to each other. The grinding surfaces (1, 2) are porous, enabling part of the water (W) of the suspension of paper fibers (S) to be temporarily received or discharged. A device with a central grinding cylinder (3) and peripherally arranged grinding rollers (4) is particularly suitable as a device for carrying out said method. The grinding surfaces can be embodied as cylinders or provided with toothing.

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