

Title (en)

Process to disperse a paper fibers slurry and plant for using the process

Title (de)

Verfahren zur Dispergierung eines Papierfaserstoffes sowie Anlage zur Durchführung des Verfahrens

Title (fr)

Procédé pour disperser une pulpe de fibres de papier et installation pour l'exécution du procédé

Publication

EP 1147805 A1 20011024 (DE)

Application

EP 01103044 A 20010209

Priority

DE 10018262 A 20000413

Abstract (en)

The disperse a paper fiber material is prepared with water, and compressed into a high consistency material (S2) with coarse fragments, to be fed into the working zone of a rotating roller (1) fitted with sticks (2) before dispersion. They act with static peripheral beating units (3), to loosen and homogenize the high consistency paper fiber material. An Independent claim is also included for a paper fiber dispersion assembly with a distribution stage (9) having at least one rotating roller fitted with sticks. It has a number of peripheral beating units projecting inwards from the housing wall, to give an axial gap between them and the rotating sticks of 5-50 mm.

Abstract (de)

Das Verfahren dient zur Dispergierung von Papierfaserstoff, insbesondere einem aus Altpapier gewonnenen. Nach dem Auspressen des Wassers (W) entsteht ein hochkonsistenter grobstückiger Papierfaserstoff (S2), der in den Wirkungsbereich einer sich drehenden Schlegelwalze (1) geführt wird. Dadurch wird er vergleichmäßiggt, weiter zerteilt und kann anschließend im Disperger (4) dispergiert werden. Die umlaufenden Schlegel (2) arbeiten mit feststehenden peripheren Prallstücken (3) zusammen. <IMAGE>

IPC 1-7

B01F 7/00; **D21D 1/30**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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