

Title (en)

Device and method for mixing a liquid into a fibrous suspension

Title (de)

Anordnung und Verfahren zum Einmischen einer Flüssigkeit in eine Papierfaserstoffsuspension

Title (fr)

Dispositif et procédé de mélange d'un liquide dans une suspension

Publication

**EP 1467018 B1 20090429 (DE)**

Application

**EP 04400015 A 20040316**

Priority

DE 10317865 A 20030409

Abstract (en)

[origin: EP1467018A1] A paper making assembly has a pipe that feeds a supply of suspended cellulose, into which a second fluid is admixed via transverse lances with a series of inlet apertures (7). The size chosen for the inlets is in proportion to the volumetric flow of suspended cellulose. The inlet holes are located at irregular intervals along the lance. The interval between the adjacent holes decreases with increasing local volumetric flow. The dosing lances form a transverse 90 cruciform array within the pipe. One or both lances has an inlet for water of dilution. Also claimed is a commensurate operating process in which water is admixed at a flow speed of 1-4 m/s and the lance additive is admitted at a speed of 2-10 m/s, resulting in a combined incoming exit speed from the lance in the range 0.2 to 5 m/s.

IPC 8 full level

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