

Title (en)

ARRANGEMENT FOR MIXING FLOWS IN PAPERMAKING PROCESS

Title (de)

ANORDNUNG ZUM MISCHEN VON STRÖMEN BEI EINEM PAPIERHERSTELLUNGSVERFAHREN

Title (fr)

ENSEMBLE POUR MELANGER DES COURANTS DANS UN PROCESSUS DE FABRICATION DU PAPIER

Publication

EP 1368112 B1 20091118 (EN)

Application

EP 02700310 A 20020221

Priority

- FI 0200141 W 20020221
- FI 20010335 A 20010221
- US 29036201 P 20010511

Abstract (en)

[origin: WO02072250A1] The invention relates to a method and a mixer for mixing flows of a papermaking process. In the invention, a first flow (V1) is conveyed through a tube (1), and turbulence is generated in it by means of form parts (4a to 4d) located on the inner periphery (3) of the tube. The mixing zone of the mixer comprises feed openings (8, 11, 30, 40) on the inner periphery of the tube for feeding a second flow (V2) from a feed channel (7) outside the tube (1) into the first flow (V1), whereby the flows are mixed as a result of the turbulence generated by the form parts. According to a preferred embodiment of the invention, at least one form part comprises a feed opening (8).

IPC 8 full level

B01F 3/08 (2006.01); **B01F 5/04** (2006.01); **B01F 5/06** (2006.01); **D21F 1/00** (2006.01); **D21F 1/06** (2006.01); **D21F 1/08** (2006.01)

CPC (source: EP US)

B01F 25/3141 (2022.01 - EP); **B01F 25/3142** (2022.01 - EP); **B01F 25/31422** (2022.01 - EP); **B01F 25/431** (2022.01 - EP); **B01F 25/4311** (2022.01 - EP US); **B01F 25/43171** (2022.01 - EP US); **B01F 25/431971** (2022.01 - EP US); **D21F 1/0018** (2013.01 - EP); **D21F 1/08** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02072250 A1 20020919; AT E448869 T1 20091215; CA 2438988 A1 20020919; CA 2438988 C 20100126; CN 1239240 C 20060201; CN 1492776 A 20040428; DE 60234423 D1 20091231; EP 1368112 A1 20031210; EP 1368112 B1 20091118

DOCDB simple family (application)

FI 0200141 W 20020221; AT 02700310 T 20020221; CA 2438988 A 20020221; CN 02805293 A 20020221; DE 60234423 T 20020221; EP 02700310 A 20020221