

Title (en)

APPARATUS FOR DRY FORMING OF PAPER OR OTHER SHEET MATERIAL OF PARTICLES OR FIBRES

Publication

EP 0032772 B1 19830720 (EN)

Application

EP 81200058 A 19810116

Priority

- GB 8001682 A 19800118
- US 13213180 A 19800320

Abstract (en)

[origin: EP0032772A1] For distributing loose fibres on a moving forming web (2) in dry forming of paper an air fluidized fibre material is fed to and recirculated in a pipe circuit comprising two parallel, straight screen pipes (12) extending over the forming web (2) and provided with interior, rotating needle cylinders (34) operating to both convey the material axially in the pipe and effect disintegration of the material as well as to add to the material flow a radial component promoting the fibre outlet through the walls of the screen pipes (12). These pipes (12) themselves are rotatably mounted and adjacent an upper outside area of each pipe (12) is arranged a stationary nozzle system (44) for blowing compressed air against the pipe to thereby successively clean the screen perforations for maintaining a high distributor capacity and enable relatively long fibres to be used in the production.

IPC 1-7

D21H 5/26

IPC 8 full level

B27N 3/10 (2006.01); **B27N 3/12** (2006.01); **D01G 25/00** (2006.01); **D04H 1/00** (2006.01); **D04H 1/04** (2012.01); **D04H 1/425** (2012.01); **D04H 1/72** (2012.01); **D04H 1/732** (2012.01); **D21F 9/00** (2006.01); **D21F 11/14** (2006.01); **D21H 27/00** (2006.01)

IPC 8 main group level

D21H (2006.01)

CPC (source: EP)

D04H 1/04 (2013.01); **D04H 1/425** (2013.01); **D04H 1/72** (2013.01); **D04H 1/732** (2013.01); **D21F 9/00** (2013.01)

Citation (examination)

FR 2305537 A1 19761022 - RIEGEL TEXTILE CORP [US]

Cited by

EP0345234A3; US8293041B2; FR2557157A1; EP1177089A4; CN105625080A; EP0159618A1; EP0536904A1; US5269049A; US7487573B2; US6726461B2; US7597200B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0032772 A1 19810729; EP 0032772 B1 19830720; AU 547989 B2 19851114; AU 6774981 A 19810807; BR 8106032 A 19811124; DE 3160607 D1 19830825; FI 66948 B 19840831; FI 66948 C 19841210; FI 812929 L 19810918; JP H0322281 B2 19910326; JP S57500059 A 19820114; SU 1405709 A3 19880623; WO 8102031 A1 19810723

DOCDB simple family (application)

EP 81200058 A 19810116; AU 6774981 A 19810115; BR 8106032 A 19810115; DE 3160607 T 19810116; DK 8100006 W 19810115; FI 812929 A 19810918; JP 50060181 A 19810115; SU 3336048 A 19810917