

Title (en)

Apparatus for dry forming of paper or other sheet material of particles or fibres.

Title (de)

Vorrichtung zum Trockenbilden von Papier oder eines anderen Bahnmaterials aus Teilchen oder Fasern.

Title (fr)

Dispositif de formage à sec du papier ou d'autre matériau en feuille de particules ou de fibres.

Publication

EP 0032772 A1 19810729 (EN)

Application

EP 81200058 A 19810116

Priority

- GB 8001682 A 19800118
- US 13213180 A 19800320

Abstract (en)

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

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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)

Cited by

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

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