

Title (en)

APPARATUS FOR PRODUCING AN UNDERFLOOR FIBREBOARD TURN ELEMENT FOR UNDERFLOOR HEATING

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINES DREHELEMENTS FÜR EINE UNTERFLUR-FASERPLATTE FÜR FUSSBODENHEIZUNG

Title (fr)

APPAREIL POUR PRODUIRE UN ÉLÉMENT À SPIRES DE PLAQUE DE FIBRES SOUS PLANCHER POUR CHAUFFAGE SOUS PLANCHER

Publication

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Application

EP 14814229 A 20140617

Priority

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Abstract (en)

[origin: WO2014204318A1] Apparatus (1) for producing an underfloor fibreboard turn element (10) for underfloor heating having a plurality of turn notches or grooves for floor heating loops. Fibreboards to be processed (2a) in the apparatus are fed from a first reservoir (100a). A cutter device (200) comprising a main frame (210) supporting a cutter means (221) on an elongated cutter frame (221) holds a plurality of rotatable cutter wheels (223) with axes of rotation oriented in parallel. Each cutter wheel has a plurality of cutters (225) arranged on a circumference thereof with cutting edges oriented axially away from the wheel, to cut in a common plane oriented perpendicular to said axes of rotation. A plane base (250) for supporting and positioning a fibreboard with a first surface thereof in a surface plane being in parallel with the common plane of the cutters, and has an opening (251) for the cutter wheels. A drive means (226) rotates the cutter wheels. A moving means (240) moves the cutter means in a direction towards and away from the plane, so the cutter wheels to pass through the opening and past the surface plane. A positioning device (260) positions and secures the fibreboard against the plane base, and such that the cutter wheels on passing through the opening cut respective circular grooves or notches in predetermined parts of the first surface of the fibreboard. A storage device (100b) stores fibreboards processed (2b) in the cutter device.

IPC 8 full level

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