Title (en)

METHOD AND DEVICE FOR PRODUCING MARKING LINES ON A MAT OF MINERAL FIBRES CONTAINING A BINDING AGENT

Publication

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Application

EP 87200792 A 19870416

Priority

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Abstract (en)

[origin: WO8706198A1] Markings have to be applied to the surface (41) of a mineral fibre web (38), said markings being arranged transversely to its length or to its direction of movement. For this, a cylinder (1) is provided with peripheral heating zones, in the form of heating rods (26), corresponding in shape and position to the markings to be applied, said cylinder (1) rotating at a speed whereby the rods (26), or marking ribs (30) provided on the latter, effect the rolling essentially without any slippage on the surface (41) of the mineral fibre web (38). The heating rods (26) or marking strips (30) are made of metal and are electrically heated, by an internal tubular heating element (31), to such a temperature that when contact is made with the surface (41) of the mineral fibre web (38) a flat decomposition zone (43) is created which corresponds to the contour of the marking strips (30), in which zone the binder of the mineral fibre web (38) is decomposed and by changing colour produces the optically visible marking line. The cylinder (1) can be driven either by a d.c. motor synchronously with the line speed of the mineral fibre web (38), or it can also be driven by entrainment with the surface (41) of the mineral fibre web (38).

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