

Title (en)

DEVICE FOR THE PRODUCTION OF A CONCRETE LAYER DIVIDED IN SINGLE PANELS

Publication

EP 0338242 B1 19910529 (DE)

Application

EP 89104370 A 19890311

Priority

DE 8804224 U 19880329

Abstract (en)

[origin: EP0338242A1] To be able to divide a concrete layer (2), for example a carriageway covering of a motorway, applied to a suitable substrate into individual panels arranged one behind the other in the direction of travel, slots (5 to 8) are incorporated, transversely with respect to the concrete surface (28), in the concrete which has not yet hardened or set at a spacing which corresponds to the panel width, a separating agent (22) being introduced into said slots. This agent initially fills the slot at least substantially, forming a closed separating sheet or separating layer. When the concrete then hardens, it can press the latter together to such an extent that the slot is completely filled as far as the slot edges by the separating agent (22). The concrete is shaken before and/or during the formation of the slot and thus liquefied thixotropically. The liquefaction takes place only in a locally limited manner in the region of a sword-like separating element (20), which produces the slots and together with a device for applying a liquid or pasty separating agent (22) can be combined to form a structural unit (23). If the slot is of non-planar formation but is provided with an irregular, for example zigzag or corrugated cross-section, a certain lateral tooth-like engagement of adjacent single panels capable of transmitting transverse forces (23) is achieved. <IMAGE>

IPC 1-7

E01C 11/04; **E01C 23/02**

IPC 8 full level

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CPC (source: EP)

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