

Title (en)

Apparatus for setting and positioning dowels in concrete slabs.

Title (de)

Vorrichtung zum Eindrücken und Setzen von Dübeln in Betonplatten.

Title (fr)

Dispositif perfectionné d'enfoncement et de positionnement de goujons dans des dalles en béton.

Publication

EP 0051885 A1 19820519 (FR)

Application

EP 81201159 A 19811020

Priority

BE 202732 A 19801107

Abstract (en)

[origin: US4433936A] This invention relates to a device for driving and positioning, by vibration, dowels into concrete slabs during the construction of roads, on both sides of points between said slabs and perpendicularly to said joints, comprising a horizontal beam which is provided with vibrators and with maintaining elements suitable for gripping the dowels and which is carried by an independent frame, so as to be vertically movable by displacement means above a joint, in order to drive said dowels into a lower position in the still unhardened concrete of the slabs. The device also comprises a lower smoothing plate intended to bear and slide onto the surface of the already compacted concrete slab, said lower plate having openings for the passage of the dowels and pressing guides fixed to the horizontal beam during the lowering of said horizontal beam, said elements for maintaining the dowels being connected to the horizontal beam and to the pressing guides so as to allow the horizontal beam and the pressing guides to move downwardly with respect to the maintaining elements bearing on the lower plates, so as to cause the dowels to be driven into the still unhardened concrete of the slabs.

Abstract (fr)

Goujonneuse, comprenant une poutre horizontale (5) déplaçable verticalement au-dessus des joints entre les dalles (2), et comportant des guides presseurs (23) dirigés vers le bas, destinés à pousser les goujons (1) hors de pinces de maintien (18) et à les enforcer dans le béton non encore pris, ce dispositif comportant une plaque inférieure (4) destinée à reposer et glisser sur la surface de la dalle, tandis que la poutre horizontale (5) est suspendue par l'intermédiaire de vérins de déplacement vertical (6), à des supports (7) fixés sur la plaque lisseuse (4) et que la plaque inférieure (4) comporte des ouvertures (26) pour le passage des goujons (1) et les guides presseurs (23).

IPC 1-7

E01C 23/04

IPC 8 full level

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CPC (source: EP US)

E01C 23/04 (2013.01 - EP US)

Citation (search report)

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EP0196698A1; EP0154761A3; EP0104441A1; EP0117323A1; EP0906991A1; US6390728B1

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DOCDB simple family (application)

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