

Title (en)

APPARATUS FOR SETTING AND POSITIONING DOWELS IN CONCRETE SLABS

Publication

**EP 0051885 B1 19840815 (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.

IPC 1-7

**E01C 23/04**

IPC 8 full level

**E01C 23/04** (2006.01)

CPC (source: EP US)

**E01C 23/04** (2013.01 - EP US)

Cited by

EP0196698A1; EP0154761A3; EP0104441A1; EP0117323A1; EP0906991A1; US6390728B1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0051885 A1 19820519; EP 0051885 B1 19840815**; AT E9015 T1 19840915; BE 886077 A 19810507; DE 3165579 D1 19840920; US 4433936 A 19840228

DOCDB simple family (application)

**EP 81201159 A 19811020**; AT 81201159 T 19811020; BE 202732 A 19801107; DE 3165579 T 19811020; US 31340281 A 19811021