

Title (en)

DEVICE FOR PRE-CRACKING IN THE FRESH STATE AND FILLING OF CRACKS IN CEMENT ROAD BASES

Title (de)

VORRICHTUNG ZUR RISSEINLEITUNG IM FRISCHZUSTAND UND FÜLLEN VON RISSEN IN ZEMENTSTRASSENBASEN

Title (fr)

DISPOSITIF DE PREFISSURATION A L'ETAT FRAIS ET DE COMPLEMENT DE FISSURES DANS DES REVETEMENTS EN CIMENT

Publication

EP 1752581 B1 20110112 (EN)

Application

EP 05743932 A 20050506

Priority

- ES 2005070059 W 20050506
- ES 200401084 U 20040506

Abstract (en)

[origin: EP1752581A1] The invention relates to a device for the pre-cracking in the fresh state and the filling of cracks in cement road bases. The inventive device is used to produce mechanically and/or automatically the transverse cracks that are normally provided in road bases or surfaces which are treated with cement and which are intended to serve as a base for the corresponding asphalt layer in the construction of roadways. In addition, the device is also used to fill the aforementioned cracks using a bituminous product in order to eliminate or reduce crack reflection in said compacted surfaces. According to the invention, the device consists of: a vertical blade (1) comprising outlet holes (3) for the bituminous product (4); and a horizontal plate (5) which is solidly connected to the upper edge of the blade (1), the front edge of said plate being arched upwards (6), such as to define a runner which slides along the surface penetrated by the blade (1), thereby forming a crack which is simultaneously filled with the bituminous product (4) which is projected through the outlet holes (3) in the rear edge of the blade. The runner/blade assembly is solidly connected to a frame so that it can be hitched to a towing vehicle (21) such as a small tractor, a quad or similar.

IPC 8 full level

E01C 23/02 (2006.01)

CPC (source: EP)

E01C 23/026 (2013.01)

Cited by

EP1921209A1; ES2399257A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1752581 A1 20070214; EP 1752581 B1 20110112; AT E495304 T1 20110115; DE 602005025866 D1 20110224; ES 1057527 U 20040816; ES 1057527 Y 20041201; PT 1752581 E 20110419; WO 2005108677 A1 20051117

DOCDB simple family (application)

EP 05743932 A 20050506; AT 05743932 T 20050506; DE 602005025866 T 20050506; ES 200401084 U 20040506; ES 2005070059 W 20050506; PT 05743932 T 20050506