

Title (en)

Method of delaying reflective cracking propagation in asphalt concrete overlays and prefabricated bituminous sheet to be used therewith.

Title (de)

Verfahren zur Verzögerung der Ausbreitung von Rissen in Asphaltbetondecken und dazu verwendbare vorgefertigte Asphaltfolie.

Title (fr)

Procédé pour retarder la propagation de fissures dans les couches en béton asphaltique et feuille préfabriquée en matière asphaltique à employer à cet effet.

Publication

**EP 0424213 A1 19910424 (EN)**

Application

**EP 90402814 A 19901009**

Priority

IL 9205089 A 19891019

Abstract (en)

A method of rehabilitation of roads damaged by reflective cracking is described. The method comprises the welding onto the damaged pavement a prefabricated sheet, having a thickness of at least 0.5 mm, which consists of an upper and lower layer of polymer-modified bitumen. The two layers are separated by a stress relieving reinforced elastic membrane which is characterized by an elongation of between 30% to 70% and tensile strength of at least 5 kg/cm. The polymer used to modify the bitumen is selected from a thermoplastic rubber, such as styrene-butadiene-styrene, polypropylene and polyethylene and the preferred amount is in the range of between 4% to 10% by weight of the bitumen. The welding of the prefabricated sheet onto the damaged road is preferably carried out by torching out. The preferred thickness of the prefabricated sheet is in the range of between 3 to 5 mm.

IPC 1-7

**E01C 7/18**

IPC 8 full level

**E01C 7/18** (2006.01)

CPC (source: EP)

**E01C 7/187** (2013.01)

Citation (search report)

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CN114002094A; US8658717B2; US10584247B2

Designated contracting state (EPC)

CH DE DK ES FR GB IT LI

DOCDB simple family (publication)

**EP 0424213 A1 19910424; EP 0424213 B1 19940316;** DE 69007416 D1 19940421; DE 69007416 T2 19940630; IL 92050 A0 19900712; IL 92050 A 19910610

DOCDB simple family (application)

**EP 90402814 A 19901009;** DE 69007416 T 19901009; IL 9205089 A 19891019