Title (en)

Method for sealing the join between two road parts which are movable relative to each other and are provided with an asphalt road surface, in particular the join between two bridge roadway parts or between a bridge roadway part and a land-abutment part.

Title (de)

Verfahren zum Dichten der Fuge zwischen zwei relativ zueinander beweglichen asphaltierten Fahrbahnteilen, insbesondere eine Fuge zwischen zwei Brückenfahrbahnteilen oder zwischen einem Brücken- und Landfahrbahnteil.

Title (fr)

Procédé d'étanchéification du joint entre deux partier de chaussée relativement mobiles avec un revêtement de bitume, notamment le joint entre deux tabliers de pont ou un tablier de pont et une culée.

Publication

EP 0506196 A1 19920930 (EN)

Application

EP 92200837 A 19920323

Priority

NL 9100524 A 19910325

Abstract (en)

For sealing the join (3) between two road parts (1,2) which are movable relative to each other and are to be provided with, or have already been provided with, an asphalt road surface (4.5), in particular the join between two bridge roadway parts or between a bridge roadway part and a land-abutment part, a recess (6) is made at the site of the join in at least the hot-rolled asphalt covering said parts, and a material with elastic properties is placed in the recess. In order to provide a water-permeable or water-draining and low-noise filling of the recess at the position of the join, without adversely affecting the elasticity and flexibility of said filling, which is necessary to avoid cracks forming, at least the bottom of the recess is covered with an elastic sealing membrane layer (7), a hard strip (8), for example of metal, is placed in said layer above the join, the membrane layer extending over the strip, and the recess above the membrane layer is filled with elastic hot-rolled asphalt (9,10) of which at least the top layer is made of very open elastic hot-rolled asphalt (10). <IMAGE>

IPC 1-7

E01C 11/22; E01D 19/06

IPC 8 full level

E01C 11/22 (2006.01); **E01D 19/06** (2006.01)

CPC (source: EP)

E01C 11/225 (2013.01); **E01C 11/226** (2013.01); **E01D 19/067** (2013.01)

Citation (search report)

- [Y] EP 0296377 A2 19881228 - LAFRENTZ GMBH & CO H [DE]
- [Y] GB 2218437 A 19891115 - SHO BOND CONST [JP]
- [Y] DE 3611199 A1 19871015 - DEUTAG MISCHWERKE GMBH [DE]
- [A] GB 1318805 A 19730531 - INVERNIZZI L
- [A] DE 3712461 A1 19871022 - LUGINBUEHL AG GEB [CH]
- [Y] WEGEN vol. 64, no. 6, June 1990, EDE pages 30 - 31; VAN BOCHOVE: 'Nieuw concept voor zeer open asfaltbeton'
- [A] PT/CIVIELE TECHNIEK vol. 42, no. 2, June 1987, RIJSWIJK pages 28 - 30; RIEMENS: 'Elastische voegovergangen'
- [A] HIGHWAYS vol. 54, no. 1917, September 1986, CROYDON page 26; 'Flexible buried joints resists deformation'

Cited by

EP0857824A1; KR100469473B1; CN112900191A; CN102121222A; ITUA20163685A1; CN110670473A; CN106480798A; CN111997098A; NL1005198C2; US5991077A; EP0687773A1; EP2108739A3; FR2696764A1; BE1006676A5; CH684698A5; ES2081753A1; CN111877141A; WO2005071165A1; WO2017203548A1; WO2020078160A1; WO2023110603A1

Designated contracting state (EPC)

BE DE DK GB LU NL

DOCDB simple family (publication)

EP 0506196 A1 19920930; **EP 0506196 B1 19951122**; DE 69206179 D1 19960104; DE 69206179 T2 19960502; DK 0506196 T3 19960226; NL 9100524 A 19921016

DOCDB simple family (application)

EP 92200837 A 19920323; DE 69206179 T 19920323; DK 92200837 T 19920323; NL 9100524 A 19910325