

Title (en)

HIGH-MODULUS BITUMINOUS MIX BASED ON RECYCLED MATERIALS

Title (de)

HOCHMODULIGE BITUMENMISCHUNG AUF BASIS VON REZYKLIERTEN MATERIALIEN

Title (fr)

ENROBE A MODULE ELEVE A BASE MATERIAUX DE RECYCLAGE

Publication

EP 2337819 A1 20110629 (FR)

Application

EP 09744740 A 20091012

Priority

- IB 2009007110 W 20091012
- FR 0805672 A 20081014

Abstract (en)

[origin: WO2010043945A1] The present invention relates to a high-modulus bituminous mix according to the NF P 98-140 standard or the NF EN 13108-1 standard based on recycled roadway material millings comprising a residual bituminous binder, based on fresh aggregates and based on bituminous binder (residual bituminous binder plus additional bituminous binder), the bituminous binder content in the mix being between 5.5 and 6.5% by weight. The performance of the bituminous mix is equivalent and even superior to that of a high-modulus mix. The high-modulus mixes according to the invention have a modulus of rigidity E^* , measured at 15°C and at 10 Hz, of greater than 15×10^3 MPa and a reversed bending fatigue strength e_6 , at 10°C and at 25 Hz, of greater than 140×10^{-6} .

IPC 8 full level

C08L 95/00 (2006.01); **B09B 3/00** (2006.01); **E01C 7/18** (2006.01); **E01C 7/26** (2006.01)

CPC (source: EP)

C08L 95/00 (2013.01); **E01C 19/1036** (2013.01); **E01C 23/065** (2013.01)

Citation (search report)

See references of WO 2010043945A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

FR 2937059 A1 20100416; EP 2337819 A1 20110629; WO 2010043945 A1 20100422

DOCDB simple family (application)

FR 0805672 A 20081014; EP 09744740 A 20091012; IB 2009007110 W 20091012