Title (en)
BITUMINOUS BINDER FOR PREPARING LOW-TEMPERATURE ASPHALT OR COATED MATERIALS

Title (de)
BITUMIBÖSER BINDER ZUR HERSTELLUNG VON NIEDERTEMPERATURASPHALT ODER BESCHICHTETEN MATERIALIEN

Title (fr)
LIANT BITUMINEUX POUR LA PREPARATION D'ASPHALTES OU D'ENROBES A BASSES TEMPERATURES

Publication
EP 2432746 A1 20120328 (FR)

Application
EP 10723794 A 20100518

Priority
• IB 2010052209 W 20100518
• FR 0902423 A 20090519

Abstract (en)
[origin: WO2010134024A1] The present invention relates to a bituminous binder comprising bitumen and at least two additives for reducing temperatures required for manufacturing, applying, and compacting coated materials or asphalt, the first additive being a pure or mixed tall oil derivative, and the second additive being a monoester of a fatty acid mixture. The invention also relates to methods for the low-temperature preparation of coated materials and asphalt produced from the binder containing said additives. The invention finally relates to the use of the binder containing the additives for making coated materials and asphalt at lower temperatures, and to the use of said coated materials and asphalt, in particular for roadwork applications for foundation layers, base layers, sub-base layers, or surface layers such as binding layers and/or roadway surfaces.

IPC 8 full level
C04B 24/08 (2006.01); **C04B 26/26** (2006.01); **C08K 5/101** (2006.01); **E01C 7/18** (2006.01)

CPC (source: EP KR US)
C04B 26/26 (2013.01 - EP KR US); **C08K 5/101** (2013.01 - EP KR US); **C08K 5/103** (2013.01 - EP KR US); **C08L 95/005** (2013.01 - KR); **E01C 7/18** (2013.01 - EP KR US); C04B 2103/0062 (2013.01 - EP KR US); C04B 2111/0075 (2013.01 - EP KR US)

Citation (search report)
See references of WO 2010134024A1

Designated contracting state (EPC)
AL 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

DOCDB simple family (publication)
WO 2010134024 A1 20101125; BR PI1013206 A2 20190924; CA 2760379 A1 20101125; CL 2011002908 A1 20120608; CO 6450610 A2 20120531; EP 2432746 A1 20120328; FR 2945816 A1 20101126; FR 2945816 B1 20110826; KR 20120032468 A 20120405; RU 2011146247 A 20130627; RU 2531497 C2 20141020; UA 107930 C2 20150310; US 2012060722 A1 20120315; ZA 201108237 B 20120725

DOCDB simple family (application)
IB 2010052209 W 20100518; BR PI1013206 A 20100518; CA 2760379 A 20100518; CL 2011002908 A 20111118; CO 11147375 A 20111031; EP 10723794 A 20100518; FR 0902423 A 20090519; KR 20117027454 A 20100518; RU 2011146247 A 20100518; UA A201114961 A 20100518; US 201013321002 A 20100518; ZA 201108237 A 20111109