

Title (en)
NOVEL BITUMEN EMULSION-BASED COMPOSITION

Title (de)
NEUE ZUSAMMENSETZUNG AUF BITUMENEMULSIONSBASIS

Title (fr)
NOUVELLE COMPOSITION A BASE D'EMULSION DE BITUME

Publication
EP 1928955 A1 20080611 (FR)

Application
EP 06808182 A 20060921

Priority
• FR 2006002161 W 20060921
• FR 0509695 A 20050922

Abstract (en)
[origin: WO2007034081A1] The invention concerns a bitumen emulsion-based surfacing composition or bituminous mix consisting of an amphoteric surfactant and its use in road highway engineering for making materials for new roads, for reinforcing or maintaining old roads or for punctually repairing same.

IPC 8 full level
C08L 95/00 (2006.01); **E01C 7/20** (2006.01)

CPC (source: EP US)
C08K 5/19 (2013.01 - EP US)

Citation (search report)
See references of WO 2007034081A1

Citation (examination)
• "Basic Asphalt Emulsion manual; MS-19; 4th Edition", 1 February 2008, ASPHALT INSTITUTE, Lexington, Kentucky;USA, ISBN: 978-1-93-415456-4, article ANONYMOUS: "Basic Asphalt Emulsion manual; MS-19; 4th Edition", pages: i-iii,v-xi,1-3,5-12, XP055100940
• ANONYMOUS: "Asphalt Emulsion Technology, Review of Asphalt Emulsion Residue Procedures, E-C122", TRANSPORTATION RESEARCH CIRCULAR E-C122, 1 October 2007 (2007-10-01), pages 1 - 34, XP055048654, Retrieved from the Internet <URL:http://onlinepubs.trb.org/onlinepubs/circulars/ec122.pdf> [retrieved on 20130104]
• ANONYMOUS: "Emulsion cold mixes - Specific features and new design method", EXTRAIT DE LA REVUE GÉNÉRALE DES ROTES ET DES AÉRODROMES (RGRA) JANVIER À AOÛT 2002, 1 September 2002 (2002-09-01), pages 1 - 64, XP055130018, Retrieved from the Internet <URL:http://www.colas.com/FRONT/COLAS/upload/com/pdf/2002-EN.pdf> [retrieved on 20140718]
• ANONYMOUS: "Cold Mix Technology", IDAHO ASPHALT CONFERENCE, MOSCOW, IDAHO, 27 October 2011 (2011-10-27), pages 1 - 19, XP055129995, Retrieved from the Internet <URL:http://www.webpages.uidaho.edu/bayomy/IAC/51st/Presentations_51st/5. Cold Mix Technology_Bart Shadbolt.pdf> [retrieved on 20140718]
• RAJAN CHOUDHARY ET AL: "Use of Cold Mixes for Rural Road Construction", INTERNATIONAL CONFERENCE ON EMERGING FRONTIERS IN TECHNOLOGY FOR RURAL AREA (EFITRA) 2012 PROCEEDINGS PUBLISHED IN INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS, 1 January 2012 (2012-01-01), pages 20 - 24, XP055129991, Retrieved from the Internet <URL:http://research.ijcaonline.org/efitra/number3/efitra1022.pdf> [retrieved on 20140718]
• DOUGLAS D. GRANSBERG: "Microsurfacing, NCHRP Synthesis 411", NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM, A SYNTHESIS OF HIGHWAY PRACTICE, 1 January 2010 (2010-01-01), pages 1 - 124, XP055119725, Retrieved from the Internet <URL:http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_411.pdf> [retrieved on 20140523]
• EDWARD M. ANDREWS ET AL: "Evaluation of micro-surfacing mixture design procedures and the effects of material variation on the test responses, FHWA/TX-95/1289-1", 1 April 1995 (1995-04-01), pages 1 - 130, XP055119692, Retrieved from the Internet <URL:http://tti.tamu.edu/documents/1289-1.pdf> [retrieved on 20140523]
• GAYLE KING ET AL: "POLYMER MODIFIED ASPHALT EMULSIONS Composition, Uses, and Specifications for Surface Treatments, FHWA-CFL/TD-12-004", 1 January 2012 (2012-01-01), pages 1 - 170, XP055119693, Retrieved from the Internet <URL:http://www.cflhd.gov/programs/techDevelopment/pavement/polymer/documents/02_Polymer_Modified_Aspphalt_Emulsions_main_report.pdf> [retrieved on 20140523]

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2890953 A1 20070323; FR 2890953 B1 20100917; BR PI0616277 A2 20110614; CA 2623452 A1 20070329; CA 2623452 C 20140902; CN 101313031 A 20081126; CN 101313031 B 20140514; EP 1928955 A1 20080611; JP 2009509073 A 20090305; JP 4991728 B2 20120801; UA 95462 C2 20110810; US 2009064898 A1 20090312; US 7767015 B2 20100803; WO 2007034081 A1 20070329

DOCDB simple family (application)
FR 0509695 A 20050922; BR PI0616277 A 20060921; CA 2623452 A 20060921; CN 200680043533 A 20060921; EP 06808182 A 20060921; FR 2006002161 W 20060921; JP 2008531737 A 20060921; UA A200805167 A 20060921; US 6791606 A 20060921