

Title (en)
METHOD OF CONTINUOUSLY REPAVING ASPHALT MIXTURE LAYER OF PAVED ROAD IN-SITU AND SELF-PROPELLED VEHICLE SYSTEM THEREFOR

Title (de)
VERFAHREN ZUR KONTINUIERLICHEN NEUPFLASTERUNG EINER ASPLHALTMISCHUNGSSCHICHT EINER GEPFLASTERTEN STRASSE VOR ORT UND SELBSTANGETRIEBENES FAHRZEUGSYSTEM DAFÜR

Title (fr)
PROCÉDÉ DE RECONSTITUTION CONTINUE IN-SITU DE LA COUCHE DE MÉLANGE ASPHALTÉ D'UNE ROUTE GOUDRONNÉE ET SYSTÈME DE VÉHICULE AUTOMOTEUR À CET EFFET

Publication
EP 2221415 A1 20100825 (EN)

Application
EP 08849780 A 20081112

Priority
• JP 2008003292 W 20081112
• JP 2007292914 A 20071112

Abstract (en)
Problem to be solved The present invention provides a method for continuous on-site repaving of an asphalt mixture layer of a road pavement and a motor-driven vehicle system therefor, while moving the motor-driven vehicle system. Solution to solve the problem A method for continuous on-site repaving of an asphalt mixture layer of a road pavement, which comprises a step of applying heat to a surface of an asphalt mixture layer so as to allow the heat to reach to a predetermined depth and soften the asphalt mixture layer, a step of scarifying the asphalt mixture layer to the predetermined depth to obtain an old asphalt mixture, a step of adding a coarse graded aggregate being stored to the old asphalt mixture, a step of obtaining a reinforcing asphalt mixture which the coarse graded aggregate being added therein, a step of spreading the reinforcing asphalt mixture onto a remaining layer of the asphalt mixture layer to form a reinforcing layer having an elastic modulus greater than that of the remaining layer, a step of adding an asphalt mixture for a new surface layer being stored onto the reinforcing layer, a step of spreading the asphalt mixture for a new surface layer to form a new surface layer, and a step of compacting the reinforcing layer and the new surface layer together while heat still being stored.

IPC 8 full level
E01C 23/00 (2006.01)

CPC (source: EP US)
E01C 23/065 (2013.01 - EP US)

Citation (search report)
See references of WO 2009063632A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2221415 A1 20100825; CA 2705374 A1 20090522; CN 101855404 A 20101006; CN 101855404 B 20120530; JP 4360565 B2 20091111; JP WO2009063632 A1 20110331; US 2010316445 A1 20101216; WO 2009063632 A1 20090522

DOCDB simple family (application)
EP 08849780 A 20081112; CA 2705374 A 20081112; CN 200880115775 A 20081112; JP 2008003292 W 20081112; JP 2009513491 A 20081112; US 73458408 A 20081112