

Title (en)

METHOD AND PLANT FOR THE PRODUCTION OF HOT ASPHALT MIXES WITH RECLAIMED ASPHALT MIX MATERIAL

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON HEISSEN ASPHALTMISCHUNGEN MIT AUSBAUASPHALTMISCHMATERIAL

Title (fr)

PROCÉDÉ ET INSTALLATION POUR LA FABRICATION DE MÉLANGES BITUMINEUX TREMPÉS AVEC UN MATÉRIAU RÉCUPÉRÉ DE MÉLANGES BITUMINEUX

Publication

**EP 3173526 A4 20180221 (EN)**

Application

**EP 15824453 A 20150417**

Priority

- ES 201431103 A 20140723
- ES 2015000054 W 20150417

Abstract (en)

[origin: EP3173526A1] Procedure and plant for the production of tempered bituminous mixtures with reclaimed asphalt pavement (RAP), presenting the possibility of recycling up to 100 % of said material. The procedure comprises the following steps: a) Provision of RAP having a granulometry comprised between 0 and a maximum diameter; b) Processing said RAP to obtain at least two RAP fractions (one fine, another coarse); c) Subjection of predetermined quantities of said RAP fractions to a process of mixing and heating by hot gas flow such that the heating times of each fraction are adapted to the granulometry thereof, the temperature of the mixture at the end of the step being comprised between 90 °C and 120 °C; d) Blending the mixture obtained in the foregoing step with a predetermined quantity of bituminous emulsion supplied at a temperature comprised between 60 °C and 80 °C. The final mixture subsequent to the step d) will attain a temperature of between 90 and 110 °C. The invention also comprises a plant for the execution of said procedure.

IPC 8 full level

**E01C 19/10** (2006.01)

CPC (source: EP US)

**E01C 19/1004** (2013.01 - EP US); **E01C 19/1009** (2013.01 - US); **E01C 19/1063** (2013.01 - EP US); **E01C 19/1072** (2013.01 - EP US); **E01C 2019/1081** (2013.01 - US); **E01C 2019/1095** (2013.01 - EP US)

Citation (search report)

- [X] US 4126397 A 19781121 - MENDENHALL ROBERT L
- [X] US 2012263007 A1 20121018 - SWANSON MALCOLM [US]
- [X] US 4153471 A 19790508 - MENDENHALL ROBERT L
- See references of WO 2016012635A1

Cited by

EP3964646A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3173526 A1 20170531**; **EP 3173526 A4 20180221**; BR 112017001136 A2 20180130; CA 2955110 A1 20160128; CL 2017000167 A1 20170721; CO 2017000439 A2 20170410; ES 2560895 A1 20160223; ES 2560895 B2 20170116; MA 40442 A 20170531; MX 2017000924 A 20170314; PE 20170190 A1 20170405; US 2017211243 A1 20170727; WO 2016012635 A1 20160128

DOCDB simple family (application)

**EP 15824453 A 20150417**; BR 112017001136 A 20150417; CA 2955110 A 20150417; CL 2017000167 A 20170123; CO 2017000439 A 20170119; ES 201431103 A 20140723; ES 2015000054 W 20150417; MA 40442 A 20150417; MX 2017000924 A 20150417; PE 2017000088 A 20150417; US 201515328430 A 20150417