

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

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CPC (source: EP US)

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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

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