Title (en)

Process and apparatus for making cold bituminous dense products

Title (de)

Verfahren und Vorrichtung zum Herstellen von kalten bituminösen dichten Stoffen

Title (fr)

Procédé d'obtention à froid d'enrobés denses bitumineux et dispositif pour la mise en oeuvre de ce procédé

Publication

EP 0781887 B1 20020814 (FR)

Application

EP 96402835 A 19961219

Priority

FR 9515677 A 19951228

Abstract (en)

[origin: EP0781887A1] The system for obtaining dense cold bituminous coating comprises a mixer (1), transportation (2) for the addition of large elements, transportation (5) for the addition of fine elements (GF), transportation (4) for adding a first emulsion and transportation (6) for the second emulsion. Large elements (GG) are introduced into the mixer. A measured first emulsion (EBPF) is then introduced to obtain a homogeneous and uniform binding film on the large elements. A measured second emulsion (ES-BPF) is introduced to obtain a total coating of the mixture. The second emulsion is obtained from the first emulsion during mixing by adding a cationic aqueous agent (SV). This cationic agent comprises additives which enable obtaining a second emulsion with a viscosity between 3 and 1000 STV. The cationic agent is measured in the ratio of 0.5 to 2% of the mixture of large elements and fine elements.

IPC 1-7

E01C 19/10

IPC 8 full level

C10C 3/00 (2006.01); **E01C 19/10** (2006.01)

CPC (source: EP)

E01C 19/1045 (2013.01); **E01C 19/1068** (2013.01)

Cited by

WO2011151387A1; FR2960890A1; DE102010053406A1; DE102010053406B4; US7114843B2; US7114875B2; FR3131920A1; WO2023135400A1; WO2018055314A2; US10711413B2; WO2023166264A1; FR3133202A1; WO2021228895A1; US8926741B2; FR2847596A1; WO2022208035A1; FR3121444A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0781887 A1 19970702; **EP 0781887 B1 20020814**; AT E222310 T1 20020815; CZ 383496 A3 19970716; DE 69622981 D1 20020919; DE 69622981 T2 20030430; DK 0781887 T3 20021209; ES 2179921 T3 20030201; FR 2743095 A1 19970704; FR 2743095 B1 19980320; HU 9603542 D0 19970228; HU P9603542 A2 19970929; HU P9603542 A3 19980302; IS 4402 A 19970629; PL 317701 A1 19970707; PT 781887 E 20021231; RO 116411 B1 20010130

DOCDB simple family (application)

EP 96402835 A 19961219; AT 96402835 T 19961219; CZ 383496 A 19961227; DE 69622981 T 19961219; DK 96402835 T 19961219; ES 96402835 T 19961219; FR 9515677 A 19951228; HU P9603542 A 19961219; IS 4402 A 19961220; PL 31770196 A 19961223; PT 96402835 T 19961219; RO 9602469 A 19961223