

Title (en)

Mobile mixer to be used in train for cold recycling asphalt concrete roadways

Title (de)

Mobiler Mixer für einen Kaltrecyclingzug für Asphaltstrassenbelag

Title (fr)

Mixeur mobile pour train de recyclage à froid de revêtement routier bitumineux

Publication

EP 1052334 A2 20001115 (EN)

Application

EP 00109831 A 20000509

Priority

- IT UD990094 A 19990512
- IT UD990031 U 19990512

Abstract (en)

Mobile mixer to be used in train for cold recycling asphalt concrete roadways, of the type comprising bitumen as binding base, where are provided: means to heat said binding material in fluid form at 150/200 DEG C, preferably at about 170 DEG C, and under pressure before the spraying (U2) in said mixing means (P1); means to convey hot and fluid bitumen (B, P2) in a controlled way (P3) with additives (AD) through a static turbo-mixer with opposite vanes (P4), to respective sprayers (P1) associated with: means to inject water, in a controlled way (U2), to said binding material immediately before the spraying, upstream of said sprayers (U3), under such a pressure to prevent the expansion of said added water, in order that at the exit from said spraying means (U3) a spraying of bituminous emulsion is formed with expansion by evaporation of the water particles forming a bituminous material foam that is sprayed into the aggregating material in the mixing/blending, thus mixing and binding with it (P1). <IMAGE>

IPC 1-7

E01C 19/10; **E01C 23/06**

IPC 8 full level

E01C 19/10 (2006.01); **E01C 23/06** (2006.01)

CPC (source: EP)

E01C 19/1054 (2013.01); **E01C 19/1068** (2013.01); **E01C 23/065** (2013.01)

Cited by

CN101831861A; CN108004879A; CN101979771A; RU2671271C1; FR2849873A1; EP1445380A3; CN114269988A; FR2870550A1; GB2418155A; GB2356628B; GB2418155B; US11174603B2; WO2021001648A1

Designated contracting state (EPC)

CH DE LI

DOCDB simple family (publication)

EP 1052334 A2 20001115; **EP 1052334 A3 20020306**; **EP 1052334 B1 20050323**

DOCDB simple family (application)

EP 00109831 A 20000509