

Title (en)

METHOD AND DEVICE FOR COLD MIXING OF ROAD SURFACING MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KALTMISCHEN VON FAHRBAHNBELAG

Title (fr)

PROCEDE ET DISPOSITIF POUR LE MELANGE A FROID DE MATERIAU DE REVETEMENT ROUTIER

Publication

**EP 0760882 B1 20020410 (EN)**

Application

**EP 95923652 A 19950627**

Priority

- SE 9500785 W 19950627
- SE 9402263 A 19940627

Abstract (en)

[origin: WO9600324A1] The invention relates to a method and a device for continuous cold mixing of road surfacing material. Aggregate is supplied to a hopper (1), is weighed on a belt weigher (3) and conveyed to a screen (6) for separation into different size ranges. The different portions are then supplied to a compulsory mixer (7), in which they are cold mixed with bitumen emulsion. According to the invention, the aggregate is continuously separated into at least three portions which are supplied to the compulsory mixer (7) via different inlets (9a, 9b). The portion having the greatest particle size is first mixed with an excess of bitumen emulsion for this portion. Each aggregate portion of successively decreasing particle size is then separately mixed with an excess of bitumen emulsion for each portion, while they are successively mixed with the already bitumen-mixed aggregate portion/s having a greater particle size. Last, the aggregate portion/s having the smallest particle size/s are mixed with the already bitumen-mixed aggregate portions without additional bitumen emulsion being supplied separately to this or these aggregate portions.

IPC 1-7

**E01C 19/10**

IPC 8 full level

**E01C 19/10** (2006.01)

CPC (source: EP)

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

Cited by

CN102367645A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT

DOCDB simple family (publication)

**WO 9600324 A1 19960104**; AT E216008 T1 20020415; AU 2813395 A 19960119; DE 69526341 D1 20020516; EP 0760882 A1 19970312; EP 0760882 B1 20020410; NO 307389 B1 20000327; NO 963832 D0 19960913; NO 963832 L 19960913; PL 178217 B1 20000331; PL 317966 A1 19970512; SE 502772 C2 19960108; SE 9402263 D0 19940627; SE 9402263 L 19951228

DOCDB simple family (application)

**SE 9500785 W 19950627**; AT 95923652 T 19950627; AU 2813395 A 19950627; DE 69526341 T 19950627; EP 95923652 A 19950627; NO 963832 A 19960913; PL 31796695 A 19950627; SE 9402263 A 19940627