

Title (en)

DEVICE AND METHOD FOR PRODUCTION OF ASPHALT, INCLUDING ADDITION OF WATER

Title (de)

Vorrichtung und Methode zur Herstellung von Asphalt, unter Zugabe von Wasser

Title (fr)

Dispositif et procédé pour la production d'asphalte, additionné de l'eau

Publication

EP 2942434 A1 20151111 (EN)

Application

EP 15161689 A 20150330

Priority

NO 20140434 A 20140403

Abstract (en)

Apparatus for production of asphalt mass, wherein the apparatus comprises a mixing device (10), a solids source (14), two bitumen sources (11, 12), a bitumen balance (16) having agitator, in flow connection with the mixing device (10) via conduit (25), an amine source (13), and a water source (15) for foaming of bitumen. A buffer container (17) is arranged in conduit (25) between the bitumen balance (16) and the mixing device (10) to receive apportioned bitumen. A mixing means with rotor (23) is arranged at the mixing device (10) in connection with a water source (15) and bitumen from the buffer container (17). The apparatus offers a high bitumen production rate.

IPC 8 full level

E01C 19/10 (2006.01)

CPC (source: EP)

E01C 19/1077 (2013.01)

Citation (applicant)

NO 311140 B1 20011015 - KOLO VEIDEKKE AS [NO]

Citation (search report)

- [A] EP 1263885 B1 20040623 - KOLO VEIDEKKE AS [NO]
- [A] EP 2055744 A1 20090506 - CONTEC S R L [IT]
- [A] O. R. LARSEN ET AL: "WAM FOAM ASPHALT PRODUCTION AT LOWER OPERATING TEMPERATURES AS AN ENVIRONMENTAL FRIENDLY ALTERNATIVE TO HMA", 3RD EURASPHALT & EUROBITUME CONGRESS VIENNA 2004 - PAPER 137, 1 January 2004 (2004-01-01), pages 1 - 10, XP055063064, Retrieved from the Internet <URL:http://www.shell.com/content/dam/shell/static/bitumen/downloads/wam-field-test-resultseurasphaltcongress.pdf> [retrieved on 20130515]

Cited by

CN106812045A; PL429478A1; JP2020094367A; JP2021179142A; WO2018113266A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2942434 A1 20151111; EP 2942434 B1 20170517; NO 20140434 A1 20151005; NO 337011 B1 20151221

DOCDB simple family (application)

EP 15161689 A 20150330; NO 20140434 A 20140403