

Title (en)
SAND MIXING DEVICE AND METHOD OF MIXING SAND

Title (de)
SANDMISCHVORRICHTUNG UND VERFAHREN ZUM MISCHEN VON SAND

Title (fr)
DISPOSITIF ET PROCÉDÉ DE MÉLANGE DE SABLE

Publication
EP 3328529 B1 20190710 (EN)

Application
EP 15767268 A 20150729

Priority
IB 2015055719 W 20150729

Abstract (en)
[origin: WO2017017497A1] The sand mixing device (1) has a mixing bowl (2) arranged stationarily on a support frame (3) and including a peripheral side wall (4) and a bottom wall (5). A central mixing tool (6) is arranged rotatably about a central mixer axis (7) of the mixing bowl and has a number of blades (8) extending along the bottom wall to the peripheral side wall. The mixing bowl is arranged in an inclined position on the support frame so that the central mixer axis is inclined at an angle to the vertical. A first cross-sectional plane extending through the mixing bowl and including both the central mixer axis and a horizontal line extending in a plane defining the bottom wall divides the mixing bowl into a lower part and a higher part. At least one peripheral mixing tool (9, 11) is arranged in the lower part of the mixing bowl.

IPC 8 full level
B01F 7/02 (2006.01); **B01F 7/00** (2006.01); **B01F 7/16** (2006.01); **B01F 15/02** (2006.01); **B22C 5/04** (2006.01)

CPC (source: EP)
B01F 27/1123 (2022.01); **B01F 27/2321** (2022.01); **B01F 27/61** (2022.01); **B01F 27/82** (2022.01); **B01F 35/752** (2022.01); **B22C 5/044** (2013.01)

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

DOCDB simple family (publication)
WO 2017017497 A1 20170202; CN 108136349 A 20180608; EP 3328529 A1 20180606; EP 3328529 B1 20190710; PL 3328529 T3 20200131

DOCDB simple family (application)
IB 2015055719 W 20150729; CN 201580082021 A 20150729; EP 15767268 A 20150729; PL 15767268 T 20150729