

Title (en)

A batch mixer for mixing concrete and a method for mixing concrete in a batch mixer

Title (de)

Chargenmischer zum Mischen von Beton und Verfahren zum Mischen von Beton in einem Chargenmischer

Title (fr)

Mélangeur discontinu permettant de mélanger du béton et procédé de mélange de béton dans un mélangeur discontinu

Publication

EP 2617544 A1 20130724 (EN)

Application

EP 12151920 A 20120120

Priority

EP 12151920 A 20120120

Abstract (en)

Disclosed is a batch mixer (1) for mixing concrete. The mixer (1) comprises a mixing pan (2) having a bottom surface (4) from which a cylindrical sidewall (21) protrudes and one or more discharge openings (3). The mixer (1) further comprises a mixer unit (5) including a mixer unit drive (6) and one or more mixing means (7), wherein the mixing means (7) comprises at least one rotatable mixing star (15) having a rotational axis (16) arranged eccentrically with the centre axis (17) of the cylindrical sidewall (21). A mixing shovel (20) of the mixing star (15) is arranged to pass the cylindrical sidewall (21) at a distance of maximum 20 mm from the sidewall (21) when the mixing star (15) is rotating in the mixing pan (2) around the rotational axis (16).

IPC 8 full level

B28C 5/16 (2006.01); **B01F 7/00** (2006.01); **B01F 7/16** (2006.01); **B28C 5/32** (2006.01)

CPC (source: EP)

B01F 27/071 (2022.01); **B01F 27/95** (2022.01); **B28C 5/16** (2013.01); **B28C 5/325** (2013.01)

Citation (search report)

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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 2617544 A1 20130724

DOCDB simple family (application)

EP 12151920 A 20120120