

Title (en)

Mixer axis for dual axis concrete mixer, and dual axis concrete mixer

Title (de)

Mischerwelle für einen Doppelwellenmischer, sowie Doppelwellenmischer

Title (fr)

Axe de mélangeur pour un mélangeur à arbre double et mélangeur à arbre double

Publication

EP 2428341 A3 20140416 (EN)

Application

EP 11179361 A 20110830

Priority

FI 20105937 A 20100909

Abstract (en)

[origin: EP2428341A2] A mixing axis (1, 2) of a dual axis mixer for concrete mix, said mixing axis comprising several mixer elements attached to the mixing axis, said mixer elements including a mixing shaft (3) protruding substantially radially from the mixing axis, and at least one mixer blade (4) attached to the outer end of the mixing shaft, so that on that section of the mixing axis (1, 2) of the dual axis mixer that is located in the mixing tank, mixer elements are attached at nine successive mixer element fastening points (A-I), so that in the first, second and last fastening point (A, B and I), the total area of the mixer blades (4, 4') connected to a single fastening point is substantially four times as large as the total area of the mixer blades (4) connected to a single fastening point in the third, fourth, sixth and eighth fastening point (C, D, F and H). The invention also relates to a dual axis mixer provided with a described mixing axis.

IPC 8 full level

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CPC (source: EP FI)

B01F 27/071 (2022.01 - EP); **B01F 27/0723** (2022.01 - EP); **B01F 27/0724** (2022.01 - EP FI); **B01F 27/1144** (2022.01 - EP); **B01F 27/701** (2022.01 - FI); **B01F 27/702** (2022.01 - EP); **B28C 5/146** (2013.01 - EP FI); **B28C 5/148** (2013.01 - EP FI)

Citation (search report)

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- [A] CN 101323149 A 20081217 - FUJIAN SOUTHERN HIGHWAY MECHAN [CN]
- [A] CN 201552667 U 20100818 - CHANGSHA ZOOMLION HEAVY IND

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CN104589502A

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 2428341 A2 20120314; **EP 2428341 A3 20140416**; **EP 2428341 B1 20141001**; CN 102416668 A 20120418; CN 102416668 B 20140611; ES 2518090 T3 20141104; FI 122572 B 20120330; FI 20105937 A0 20100909

DOCDB simple family (application)

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