

Title (en)  
Rotary mixer with conical vessel

Title (de)  
Mischer mit konischem Drehbottich

Title (fr)  
Mélangeur à cuve conique tournante

Publication  
**EP 2754484 B1 20160921 (FR)**

Application  
**EP 14151224 A 20140115**

Priority  
FR 1350325 A 20130115

Abstract (en)  
[origin: EP2754484A1] The mixer has a conical vessel (10) closed in an upper part, and an emptying device (13) including a lower opening (130) of the vessel and an obturator to pass from closing position to draining position. Mixture tools (20) internal to the vessel, has a helical screw (21) extending according to height of the vessel and scrapers (22, 22') to scrape a conical wall of the vessel. An articulation unit between the vessel and a frame (1) allows rotation of the vessel around its axis. A driving unit actuates rotation of the vessel. The tools are arranged in fixed positions with respect to the frame.

IPC 8 full level  
**B01F 29/85** (2022.01); **B01F 29/64** (2022.01); **B01F 29/83** (2022.01); **B28C 5/32** (2006.01)

CPC (source: EP)  
**B01F 27/0541** (2022.01); **B01F 27/1145** (2022.01); **B01F 27/13** (2022.01); **B01F 27/2122** (2022.01); **B01F 27/2321** (2022.01); **B01F 29/64** (2022.01); **B01F 29/83** (2022.01); **B01F 35/4521** (2022.01); **B01F 35/511** (2022.01); **B01F 35/712** (2022.01); **B01F 35/751** (2022.01); **B28C 5/325** (2013.01)

Cited by  
CN110608976A; CN107497314A; CN104690833A; EP3189889A1; CN112223539A; CN104587864A; CN110370459A; CN105170001A; CN107053477A

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)  
**EP 2754484 A1 20140716**; **EP 2754484 B1 20160921**; DK 2754484 T3 20170109; ES 2608555 T3 20170412; FR 3000906 A1 20140718; FR 3000906 B1 20150306; PL 2754484 T3 20170428; PT 2754484 T 20161227

DOCDB simple family (application)  
**EP 14151224 A 20140115**; DK 14151224 T 20140115; ES 14151224 T 20140115; FR 1350325 A 20130115; PL 14151224 T 20140115; PT 14151224 T 20140115