

Title (en)

MIXING APPARATUS FOR PRODUCING A MIXTURE COMPOSED OF AT LEAST THREE COMPONENTS

Title (de)

MISCHVORRICHTUNG ZUR HERSTELLUNG EINER MISCHUNG AUS MINDESTENS DREI KOMPONENTEN

Title (fr)

DISPOSITIF MÉLANGEUR POUR LA PRODUCTION D'UN MÉLANGE D'AU MOINS TROIS COMPOSANTS

Publication

**EP 2437873 B1 20130703 (DE)**

Application

**EP 10718429 A 20100511**

Priority

- CH 2010000127 W 20100511
- CH 8672009 A 20090605

Abstract (en)

[origin: WO2010139078A1] A mixing apparatus (100) for producing a mixture of flowable components is provided. Two inlet channels (110, 120) for the components to be mixed open into a first mixing channel (141) having at least one mixing element (142) disposed therein. A second mixing channel (151) having at least one mixing element (152) disposed therein is connected downstream of the first mixing channel. A third inlet channel (13) opens directly or indirectly into the second mixing channel in order to admix a third component. In further embodiments, three or more mixing channels are present. In addition, a discharge comprising such a mixing apparatus and corresponding containers (210, 220, 230) and a method for mixing at least three components are provided.

IPC 8 full level

**B01F 13/00** (2006.01); **B01F 5/06** (2006.01)

CPC (source: EP US)

**B01F 25/431** (2022.01 - EP US); **B01F 25/43141** (2022.01 - EP US); **B01F 33/50112** (2022.01 - EP US); **B01F 33/5011** (2022.01 - EP US);  
**B01F 2101/19** (2022.01 - EP US); **B01F 2101/20** (2022.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010139078 A1 20101209**; CH 701225 A1 20101215; CN 102458628 A 20120516; CN 102458628 B 20151014; EP 2437873 A1 20120411;  
EP 2437873 B1 20130703; US 2012039147 A1 20120216; US 9056288 B2 20150616

DOCDB simple family (application)

**CH 2010000127 W 20100511**; CH 8672009 A 20090605; CN 201080024828 A 20100511; EP 10718429 A 20100511;  
US 201013265465 A 20100511