

Title (en)

MIXING APPARATUS, MIXING SYSTEM AND METHOD FOR MIXING SUBSTANCES IN CLOSED CONTAINERS

Title (de)

MISCHAPPARAT, MISCHANLAGE UND VERFAHREN ZUM MISCHEN VON SUBSTANZEN IN GESCHLOSSENEN BEHÄLTERN

Title (fr)

APPAREIL MÉLANGEUR, INSTALLATION DE MÉLANGE ET PROCÉDÉ POUR LE MÉLANGE DE SUBSTANCES DANS DES CONTENANTS FERMÉS

Publication

**EP 3826757 A1 20210602 (DE)**

Application

**EP 19742060 A 20190724**

Priority

- EP 18185420 A 20180725
- EP 2019069871 W 20190724

Abstract (en)

[origin: WO2020020923A1] The invention relates to a mixing apparatus (100), comprising a drive unit (1) having a drive (10) and having a shaft (11) that can be pivoted about a pivot axis (A) and is operatively connected to the drive (10), and comprising a pivotable receptacle (2) which is arranged on the shaft (11), wherein the pivot axis (A) is substantially horizontal, wherein the pivotable receptacle (2) comprises a base plate (20) and at least one retainer (4, 400) which is spaced apart therefrom, wherein the pivotable receptacle (2) is designed such that holders (3) for containers (7, 70) can be inserted in the direction of the pivot axis (A) between the base plate (20) and the at least one retainer (4, 400).

IPC 8 full level

**B01F 11/00** (2006.01)

CPC (source: CN EP US)

**B01F 31/20** (2022.01 - CN); **B01F 31/201** (2022.01 - EP US); **B01F 31/23** (2022.01 - EP US); **B01F 35/221422** (2022.01 - US);  
**B01F 35/325** (2022.01 - US); **B01F 35/42** (2022.01 - CN); **B01F 2101/23** (2022.01 - CN 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3599013 A1 20200129**; CN 112469496 A 20210309; CN 112469496 B 20230616; CN 116550196 A 20230808; EP 3826757 A1 20210602;  
EP 3826757 B1 20230426; EP 3932532 A1 20220105; EP 4218996 A1 20230802; US 11969700 B2 20240430; US 2021260541 A1 20210826;  
WO 2020020923 A1 20200130

DOCDB simple family (application)

**EP 18185420 A 20180725**; CN 201980048278 A 20190724; CN 202310636479 A 20190724; EP 19742060 A 20190724;  
EP 2019069871 W 20190724; EP 21191494 A 20180725; EP 23159223 A 20190724; US 201917261325 A 20190724