

Title (en)
MIXING AND DISCHARGING DEVICE HAVING A THREADED SPINDLE

Title (de)
MISCH- UND AUSTRAGVORRICHTUNG MIT GEWINDESPINDEL

Title (fr)
DISPOSITIF DE MÉLANGE ET D'EXTRACTION AVEC UNE BROCHE FILETÉE

Publication
EP 3010434 A1 20160427 (DE)

Application
EP 14726382 A 20140527

Priority
• CH 11382013 A 20130618
• EP 2014060942 W 20140527

Abstract (en)
[origin: WO2014202350A1] A mixing and discharging device (1) has a syringe-like container (10), in which a plunger can be moved. A press-out spindle (30) having an external thread (31) interacts with a counterpart (40) by means of a thread engagement. The counterpart comprises one or more thread segments, which can be deflected outward in order to release the thread engagement. A securing element (5) can be slid onto the counterpart (40) in a distal direction in order to prevent a release of the thread engagement. A mixing rod (61) extends through the plunger (20). An operating element (70) is connected to the proximal end of the mixing rod by means of a releasable form closure or force closure. A locking element (80) can be moved between a locking position and a release position. In the locking position, the locking element prevents a release of the form closure or force closure. Insulating ribs (13) minimise the input of heat into the interior of the container due to touching.

IPC 8 full level
A61B 17/88 (2006.01); **B01F 13/00** (2006.01); **B01F 15/02** (2006.01); **B05C 17/005** (2006.01)

CPC (source: EP US)
A61B 17/8822 (2013.01 - EP US); **A61B 17/8825** (2013.01 - EP US); **B01F 27/114** (2022.01 - US); **B01F 31/441** (2022.01 - EP US); **B01F 33/50112** (2022.01 - EP US); **B01F 35/7174** (2022.01 - US); **B01F 35/754251** (2022.01 - EP US); **A61B 2017/883** (2013.01 - EP US); **A61B 2017/8838** (2013.01 - EP); **B01F 2101/20** (2022.01 - EP US); **B05C 17/0133** (2013.01 - EP US)

Citation (search report)
See references of WO 2014202350A1

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)
WO 2014202350 A1 20141224; CH 708236 A1 20141231; CN 105324088 A 20160210; EP 3010434 A1 20160427; US 2016128752 A1 20160512

DOCDB simple family (application)
EP 2014060942 W 20140527; CH 11382013 A 20130618; CN 201480034344 A 20140527; EP 14726382 A 20140527;
US 201414898324 A 20140527