

Title (en)

Method and device for continuous production of a mixture composed of at least two different flow-capable phases

Title (de)

Vorrichtung und Verfahren zur kontinuierlichen Herstellung einer Mischung aus wenigstens zwei fließfähigen Phasen

Title (fr)

Procédé et dispositif destinés à la fabrication continue d'un mélange d'au moins deux phases liquides

Publication

EP 1964604 A3 20090318 (DE)

Application

EP 08150816 A 20080130

Priority

DE 102007005622 A 20070131

Abstract (en)

[origin: EP1964604A2] The device (10) has a mixing vessel (13) symmetrically rotated around its longitudinal axis, and two supply pipes (11, 12) led into the mixing vessel for entry of each fluid phase (A, B). A discharge pipe (14) led from the mixing vessel discharges the mixed fluid phases, and a rotatable agitator (16) agitates the fluid phases. A rotation axis (17) of the agitator lies in a longitudinal axis (15) of the mixing vessel, and the discharge pipe is arranged within a region of a passage of the longitudinal axis through the mixing vessel. An independent claim is also included for a method for production of a mixture of two fluid phases.

IPC 8 full level

B01F 3/08 (2006.01); **B01F 7/00** (2006.01); **B01F 7/18** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)

B01F 23/41 (2022.01); **B01F 27/191** (2022.01); **B01F 27/50** (2022.01); **B01F 27/902** (2022.01); **B01F 35/50** (2022.01); **B01F 27/113** (2022.01)

Citation (search report)

- [XA] US 5250576 A 19931005 - DESMARAIS THOMAS A [US], et al
- [XA] DE 2339530 A1 19740425 - USM CORP
- [XA] US 4155657 A 19790522 - KING GORDON H [US], et al
- [XA] WO 03087182 A2 20031023 - MOBIUS TECHNOLOGIES INC [US]
- [XA] DE 19818738 A1 19991104 - WAESCHLE GMBH [DE]
- [A] US 4951262 A 19900821 - PHILLIPPI MAX L [US], et al
- [A] WO 2005014155 A1 20050217 - GLAXO GROUP LTD [GB], et al
- [DA] WO 2004082817 A1 20040930 - IFAC GMBH & CO KG [DE], et al
- [XA] DATABASE WPI Week 198832, Derwent World Patents Index; AN 226368, XP002510565, SKRIPITSA V V: "Mixer - conical vessel has perforated wall section with recirculating channel and shaft with mixing paddles and worm screws"

Cited by

DE102010028774A1; WO2011138438A1; CN102946983A; KR20130113935A; US10561995B2; WO2017046017A1; JP2012115808A; US9555380B2; US10610835B2; JP2013532047A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK

DOCDB simple family (publication)

EP 1964604 A2 20080903; EP 1964604 A3 20090318; DE 102007005622 A1 20080807

DOCDB simple family (application)

EP 08150816 A 20080130; DE 102007005622 A 20070131