

Title (en)
HOMOGENIZER HAVING A ROTOR AND AN ADVANCE WHEEL (INDUCER SCREW) WHICH IS CONTRAROTATABLE TO THE ROTOR, AND HAVING A CONTRAROTATOR WHICH IS CONTRAROTATABLE TO THE ROTOR

Title (de)
HOMOGENISATOR MIT EINEM ROTOR UND EINEM GEGENLÄUFIG ZUM ROTOR ROTIERBAREN VORLAUFRAD (INDUCERSCHRAUBE) UND EINEM GEGENLÄUFIG ZUM ROTOR ROTIERBAREN GEGENSTROMLÄUFER

Title (fr)
HOMOGENEISEUR COMPORTANT UN ROTOR, UN INDUCTEUR (VIS INDUCTEUR) POUVANT TOURNER DANS LE SENS OPPOSE AU ROTOR ET UN ROTOR A CONTRE-COURANT POUVANT TOURNER EN DIRECTION OPPOSEE AU ROTOR

Publication
EP 2004315 B1 20100811 (DE)

Application
EP 06710603 A 20060216

Priority
• IB 2006000734 W 20060216
• DE 202005018432 U 20051123

Abstract (en)
[origin: US2009225624A1] In the case of a homogenizer device (100) for dispersing and/or homogenizing liquid to viscous substances, having a container (110) having one or more openings for introducing the substances to be processed, which has an opening for feeding the substances into a processing unit (120) in the central region of its bottom, which opening contains two gear rims (130, 140), which can be driven independent of one another, are disposed concentrically and configured in circular shape, and are separated from one another by way of a predetermined interstice, whereby the substances are guided from a central region, through the interstice, into a peripheral region of the gear rims, formation of cavitation is prevented, to the greatest possible extent, in that a conveyance device (150) is additionally provided in the processing unit (120), which device conveys the substances in the direction of the gear rims (130, 140), under pressure.

IPC 8 full level
B01F 23/47 (2022.01); **B01F 23/57** (2022.01)

CPC (source: EP US)
B01F 23/43 (2022.01 - EP US); **B01F 23/47** (2022.01 - EP US); **B01F 27/411** (2022.01 - EP US); **B01F 2215/0422** (2013.01 - EP US); **B01F 2215/0468** (2013.01 - EP US)

Cited by
DE102008049265B4; EP2305370A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2009225624 A1 20090910; **US 8721168 B2 20140513**; AT E477047 T1 20100815; DE 202005018432 U1 20060824; DE 502006007668 D1 20100923; EP 2004315 A1 20081224; EP 2004315 B1 20100811; JP 2009518185 A 20090507; JP 4888866 B2 20120229; PL 2004315 T3 20110429; WO 2007060501 A1 20070531

DOCDB simple family (application)
US 8527506 A 20060216; AT 06710603 T 20060216; DE 202005018432 U 20051123; DE 502006007668 T 20060216; EP 06710603 A 20060216; IB 2006000734 W 20060216; JP 2008545120 A 20060216; PL 06710603 T 20060216