

Title (en)
STIRRER DEVICE

Title (de)
RÜHRORGANVORRICHTUNG

Title (fr)
DISPOSITIF FORMANT ORGANE D'AGITATION

Publication
EP 3498365 B1 20230802 (DE)

Application
EP 18211834 A 20181212

Priority
DE 102017129836 A 20171213

Abstract (en)
[origin: CA3027383A1] A non-close-clearance agitator device (10), in particular with respect to a vessel wall, in particular for mixing low-viscosity to medium-viscosity media, has at least one agitation shaft (12) and at least one outer agitation blade (14) which is held on the agitation shaft (12) and which in at least one section (18) is implemented so as to be arm-shaped. The agitator device (10) has an inner agitation blade (16) which conjointly with the outer agitation blade (14) implements at least one vane-type conveying unit (20) which is configured for conveying a medium in at least one direction parallel with the agitation shaft (12) and in particular in at least one further direction perpendicular to the agitation shaft (12).

IPC 8 full level
B01F 27/072 (2022.01); **B01F 27/1123** (2022.01); **B01F 27/96** (2022.01)

CPC (source: CN EP US)
B01F 27/0723 (2022.01 - US); **B01F 27/0724** (2022.01 - EP US); **B01F 27/0727** (2022.01 - EP US); **B01F 27/1123** (2022.01 - EP US); **B01F 27/1125** (2022.01 - US); **B01F 27/113** (2022.01 - US); **B01F 27/192** (2022.01 - CN US); **B01F 27/80** (2022.01 - CN); **B01F 27/90** (2022.01 - CN); **B01F 27/96** (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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3498365 A1 20190619; EP 3498365 B1 20230802; CA 3027383 A1 20190613; CN 109999691 A 20190712; CN 109999691 B 20221129; DE 102017129836 A1 20190613; DK 3498365 T3 20231106; ES 2961518 T3 20240312; JP 2019104008 A 20190627; JP 7422486 B2 20240126; RU 2018143937 A 20200615; RU 2018143937 A3 20211220; TW 201927395 A 20190716; TW I806939 B 20230701; US 11305246 B2 20220419; US 2019176107 A1 20190613

DOCDB simple family (application)
EP 18211834 A 20181212; CA 3027383 A 20181212; CN 201811524892 A 20181213; DE 102017129836 A 20171213; DK 18211834 T 20181212; ES 18211834 T 20181212; JP 2018232324 A 20181212; RU 2018143937 A 20181212; TW 107144834 A 20181212; US 201816217641 A 20181212