

Title (en)

Mixing device with a mixing bowl fixed to a mix container

Title (de)

Mischvorrichtung mit an einem Mischbehälter befestigten Mischtopf

Title (fr)

Dispositif de mélange doté d'un pot de mélange fixé sur un récipient de mélange

Publication

EP 2092975 A3 20090902 (DE)

Application

EP 09002091 A 20090214

Priority

DE 102008010841 A 20080225

Abstract (en)

[origin: EP2092975A2] The device has a mixing bowl (1) attached to an inner wall of a mixing tank. A rotor (8) with rotor arms (10) is rotated around an axis (9) that is aligned to an interior of the mixing tank in the bowl. The arms coat a radially defined area that includes a whole depth (6) of the bowl. A knife pulverizing a mixture is arranged in an axially parallel running, radially inner-lying area of the bowl. The arms are engaged with radially extending cutting blades. The arms comb with stator teeth protruding radially from a mixing bowl wall. A supply opening (25) is arranged at the mixing bowl wall.

IPC 8 full level

B01F 7/00 (2006.01); **B01F 13/10** (2006.01)

CPC (source: EP)

B01F 27/1123 (2022.01); **B01F 27/172** (2022.01); **B01F 27/2722** (2022.01); **B01F 33/81** (2022.01); **B01F 33/813** (2022.01); **B01F 33/8305** (2022.01); **B01F 33/83611** (2022.01)

Citation (search report)

- [XAY] EP 1586259 A1 20051019 - HOMELAND HOUSEWARES LLC [US]
- [XAY] DE 1061493 B 19590716 - HOOVER LTD
- [YA] US 4552461 A 19851112 - OTT KARL-ERICH [DE], et al
- [YA] EP 0474102 A1 19920311 - IMCATEC GMBH [DE]
- [YA] EP 0290033 A1 19881109 - BERENTS GMBH & CO KG A [DE]
- [YA] EP 0896833 A1 19990217 - BERENTS GMBH & CO KG A [DE]
- [YA] EP 0769251 A1 19970423 - CARPIGIANI GROUP ALI SPA [IT]
- [A] DE 1184325 B 19641231 - DRAISWERKE GMBH
- [A] WO 2007028198 A1 20070315 - BREVILLE R & D PTY LTD [AU], et al
- [A] DE 470802 C 19290131 - FRANKFURTER DAMPFKESSEL FABRIK
- [A] EP 0879562 A1 19981125 - LIPP MISCHTECHNIK GMBH [DE]
- [YA] REICHARDT D ET AL: "MISCHTECHNIK IM HORIZONTALLEN MISCHSYSTEM UNTER ASPEKTEN HYGIENISCHER PRODUKTIONSBEDINGUNEN", WDM : WAGEN DOSIEREN + MISCHEN, VERLAG COATING THOMAS & CO., ST. GALLEN, CH, vol. 34, no. 3, 1 May 2003 (2003-05-01), pages 3 - 07, XP001166625, ISSN: 1435-2176

Cited by

CN115869826A; ITBL20100016A1; CN109365066A; US11338258B2; US9179802B2; WO2012042465A1; WO2016030498A1; TWI579040B

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2092975 A2 20090826; **EP 2092975 A3 20090902**; **EP 2092975 B1 20110810**; AT E519537 T1 20110815; DE 102008010841 A1 20090827; DK 2092975 T3 20111121

DOCDB simple family (application)

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