

Title (en)

Mixing device for mixing a liquid product with at least one ingredient

Title (de)

Mischvorrichtung zur Mischung eines Flüssigprodukts mit mindestens einem Inhaltsstoff

Title (fr)

Dispositif de mélange pour mélanger un produit liquide pourvu d'au moins un ingrédient

Publication

EP 1897608 A1 20080312 (EN)

Application

EP 07115083 A 20070828

Priority

NL 1032428 A 20060905

Abstract (en)

A mixing device comprises a mixing container (21) with a mixing chamber (20) for receiving a liquid product with at least one ingredient therein. The mixing chamber comprises at least one primary inlet (31) for supply of the product and is provided with mixing means for homogenizing the product in the mixing chamber. The mixing means comprise a mixing apparatus (40) in the mixing chamber with a primary inlet (41) for a main flow of the product at a first flow speed, with a secondary inlet (42) for an auxiliary flow of an auxiliary fluid at a second, significantly higher flow speed, and with a shared outlet (43) for the main flow and the auxiliary flow. Both the primary inlet (41) and the outlet (43) of the mixing apparatus (40) are, at least during operation, in open communication with the mixing chamber (20).

IPC 8 full level

B01F 33/40 (2022.01)

CPC (source: EP)

B01F 25/211 (2022.01); **B01F 25/53** (2022.01); **B01F 33/403** (2022.01); **B01F 33/405** (2022.01); **B01F 2101/06** (2022.01)

Citation (applicant)

- EP 0818235 A2 19980114 - VERSTEGEN SPECERIJEN B V [NL]
- EP 1445014 A2 20040811 - WILLACY OIL SERVICES LTD [GB]
- US 2577797 A 19511211 - MOYER FREDERICK D
- WO 0071235 A1 20001130 - STEM DRIVE LTD [GB], et al
- FR 2120292 A5 19720818 - PAKO CORP
- WO 0194197 A1 20011213 - PURSUIT DYNAMICS PLC [GB], et al

Citation (search report)

- [XAY] EP 1445014 A2 20040811 - WILLACY OIL SERVICES LTD [GB]
- [XA] WO 0071235 A1 20001130 - STEM DRIVE LTD [GB], et al
- [XA] US 2577797 A 19511211 - MOYER FREDERICK D
- [Y] EP 0818235 A2 19980114 - VERSTEGEN SPECERIJEN B V [NL]
- [Y] FR 2120292 A5 19720818 - PAKO CORP

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1897608 A1 20080312; **EP 1897608 B1 20110727**; AT E517679 T1 20110815; NL 1032428 C2 20080306

DOCDB simple family (application)

EP 07115083 A 20070828; AT 07115083 T 20070828; NL 1032428 A 20060905