

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 B1 20110727 (EN)

Application

EP 07115083 A 20070828

Priority

NL 1032428 A 20060905

Abstract (en)

[origin: EP1897608A1] 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 (examination)

GB 2072030 A 19810930 - CHEMETRON PROCESS EQUIP

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

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