

Title (en)
AGITATOR ARRANGEMENT

Title (de)
RÜHRERANORDNUNG

Title (fr)
AGENCEMENT D'AGITATEUR

Publication
EP 3581262 B1 20211117 (EN)

Application
EP 18177890 A 20180615

Priority
EP 18177890 A 20180615

Abstract (en)
[origin: EP3581262A1] The present disclosure relates to an agitator arrangement (2) for mixing a liquid in a mixing tank (1) and for cleaning the mixing tank (1). The agitator arrangement (2) comprises a rotatable hollow shaft (4) extending in an axial direction (5), a first impeller (7) secured to the shaft (4) at a first axial position, and a second impeller (8) secured to the shaft (4) at a second axial position. Moreover, the second impeller (8) comprises a plurality of openings (9) configured for spraying a cleaning liquid on the first impeller (7) for cleaning the first impeller (7). The present disclosure also relates to a mixing tank (1) including an agitator arrangement (2), wherein the first impeller (7) is located above the second impeller (8).

IPC 8 full level
B01F 27/91 (2022.01); **B08B 3/02** (2006.01); **B08B 9/093** (2006.01)

CPC (source: EP)
B01F 27/191 (2022.01); **B01F 27/2121** (2022.01); **B01F 27/2122** (2022.01); **B01F 27/91** (2022.01); **B01F 35/1453** (2022.01); **B08B 3/02** (2013.01); **B08B 9/0936** (2013.01)

Cited by
CN112007554A; CN111821888A

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 3581262 A1 20191218; **EP 3581262 B1 20211117**; WO 2019238356 A1 20191219

DOCDB simple family (application)
EP 18177890 A 20180615; EP 2019062780 W 20190517