

Title (en)

DEVICE FOR STIRRING THE CONTENT OF A VESSEL COMPRISING A BUBBLE ELEVATOR

Title (de)

GERÄT ZUM RÜHREN DES INHALTS EINES MIT EINEM LUFTBLASENHEBER VERSEHENEN GEFÄSSES

Title (fr)

DISPOSITIF DE BRASSAGE DE CONTENU D'UNE CUVE COMPRENANT UN ELEVATEUR A BULLES

Publication

EP 0963243 B1 20020731 (FR)

Application

EP 98910820 A 19980224

Priority

- FR 9800359 W 19980224
- FR 9702427 A 19970228

Abstract (en)

[origin: FR2760197A1] The invention concerns a bubble elevator comprising an orifice (7) intermediate between the air-tapping point (5) for driving the liquid and the top opening (4) for expelling the air-liquid mixture. The mixture can be expelled by the orifice (7) when the vessel is slightly filled and its content cannot be driven to the top, or on the contrary additional air suction can be provided. The bubble elevator is generally used for stirring and homogenising the liquid content of a vessel.

IPC 1-7

B01F 13/02; **B01F 3/04**; **B01F 5/10**

IPC 8 full level

B01F 33/40 (2022.01)

CPC (source: EP KR US)

B01F 23/234 (2022.01 - EP US); **B01F 23/23413** (2022.01 - EP US); **B01F 25/21** (2022.01 - EP US); **B01F 25/50** (2022.01 - KR)

Designated contracting state (EPC)

BE DE GB

DOCDB simple family (publication)

FR 2760197 A1 19980904; **FR 2760197 B1 19990326**; DE 69806906 D1 20020905; DE 69806906 T2 20030313; EP 0963243 A1 19991215; EP 0963243 B1 20020731; JP 2001513018 A 20010828; JP 3727072 B2 20051214; KR 100501917 B1 20050718; KR 20000075787 A 20001226; US 6237898 B1 20010529; WO 9837956 A1 19980903

DOCDB simple family (application)

FR 9702427 A 19970228; DE 69806906 T 19980224; EP 98910820 A 19980224; FR 9800359 W 19980224; JP 53736998 A 19980224; KR 19997007860 A 19990827; US 35561899 A 19990818