

Title (en)

PRESSURE VESSEL FOR SPRAYING A LIQUID.

Title (de)

DRUCKBEHÄLTER ZUM VERSPRITZEN EINER FLÜSSIGKEIT.

Title (fr)

RESERVOIR SOUS PRESSION POUR LA PROJECTION D'UN LIQUIDE.

Publication

EP 0521030 B1 19950104 (DE)

Application

EP 91905961 A 19910308

Priority

- DE 4009231 A 19900322
- EP 9100435 W 19910308

Abstract (en)

[origin: US5314096A] PCT No. PCT/EP91/00435 Sec. 371 Date Nov. 13, 1992 Sec. 102(e) Date Nov. 13, 1992 PCT Filed Mar. 8, 1991 PCT Pub. No. WO91/14508 PCT Pub. Date Oct. 3, 1991. A dual purpose pump for pressure vessels comprises a piston pump disposed within a pump cylinder. The piston pump is arranged in the interior of the pressure vessel and actuatable from the outside by piston strokes for building up an increased pressure in the interior of the vessel. The pump cylinder is mounted on the vessel and projects into the interior thereof. The present invention simplifies mixing, e.g. the preparation of an emulsion, by rotatably mounting the pump cylinder about its longitudinal axis. To accomplish this, a drive mechanism may be mounted on the outside of the vessel for rotating the pump cylinder and the pump cylinder takes mixing elements along with it which project into and thereby mix the liquid during rotation.

IPC 1-7

B05B 9/08; B01F 7/00

IPC 8 full level

B05B 9/08 (2006.01); **B05B 15/00** (2006.01); **B05B 15/25** (2018.01)

CPC (source: EP US)

B05B 9/0816 (2013.01 - EP US); **B05B 15/25** (2018.01 - EP US)

Cited by

CN107175001A

Designated contracting state (EPC)

AT BE CH FR GB IT LI

DOCDB simple family (publication)

US 5314096 A 19940524; AT E116574 T1 19950115; DE 4009231 A1 19910926; DE 4009231 C2 19920116; EP 0521030 A1 19930107; EP 0521030 B1 19950104; WO 9114508 A1 19911003

DOCDB simple family (application)

US 92399392 A 19921113; AT 91905961 T 19910308; DE 4009231 A 19900322; EP 9100435 W 19910308; EP 91905961 A 19910308