

Title (en)

MIXING APPARATUS HAVING A MIXING SCREW AND A CONICAL MIXING VESSEL

Publication

EP 0222933 B1 19890208 (EN)

Application

EP 85201905 A 19851118

Priority

EP 85201905 A 19851118

Abstract (en)

[origin: EP0222933A1] This mixing apparatus has a mixing screw (3) which is drivable from above the vessel (1) and has a vertical rotary bearing (4, 5) below the vessel bottom (2) around a connecting piece (7) which is hingedly connected by a pin (8) to the screw shaft (6). The lower shaft end is sealed (35) relative to the vessel bottom (2). An outer sleeve (11) of the rotary bearing (4, 5) is secured to a horizontal plate (16) which is hingedly (18, 19) releasably secured to a superimposed plate (15) which is secured to the vessel bottom (2) through spacing columns (14). Thereby the shaft seal (35) is readily accessible and replacable.

IPC 1-7

B01F 7/14

IPC 8 full level

B01F 7/30 (2006.01); **B01F 15/00** (2006.01); **B01F 7/00** (2006.01); **B01F 7/02** (2006.01)

CPC (source: EP)

B01F 27/953 (2022.01); **B01F 35/4121** (2022.01); **B01F 27/61** (2022.01); **B01F 2035/352** (2022.01)

Cited by

US6715913B2; AU621054B2; GB2206813A; GB2206813B; US6935771B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0222933 A1 19870527; **EP 0222933 B1 19890208**; AT E40654 T1 19890215; DE 3568141 D1 19890316

DOCDB simple family (application)

EP 85201905 A 19851118; AT 85201905 T 19851118; DE 3568141 T 19851118