

Title (en)

Manual device for the opening and closing of a vessel closure.

Title (de)

Handbetätigte Vorrichtung für die Öffnung und Schliessung eines Verschlussgefäßes.

Title (fr)

Dispositif manuel pour l'ouverture et la fermeture d'une porte de cuve.

Publication

**EP 0417019 B1 19931124 (FR)**

Application

**EP 90420394 A 19900906**

Priority

FR 8912002 A 19890908

Abstract (en)

[origin: EP0417019A1] Device for the manual opening and closing of a vessel door (4), comprising means (9-20, 13-21) which ensure its automatic locking both in the open position and in the closed position. <??>The invention is used for rotating deburring vessels. <IMAGE>

IPC 1-7

**B24B 31/02**; **B65D 43/14**; **E05D 15/46**

IPC 8 full level

**B24B 31/02** (2006.01); **B65D 43/14** (2006.01); **E05D 15/46** (2006.01)

CPC (source: EP US)

**B24B 31/02** (2013.01 - EP US); **B65D 43/14** (2013.01 - EP US); **E05D 15/46** (2013.01 - EP US); **E05Y 2999/00** (2024.05 - EP US)

Cited by

EP1050652A1; BE1012661A3

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0417019 A1 19910313**; **EP 0417019 B1 19931124**; CA 2024907 A1 19910309; DE 69004766 D1 19940105; DE 69004766 T2 19940609; ES 2047295 T3 19940216; FR 2651827 A1 19910315; US 5071023 A 19911210

DOCDB simple family (application)

**EP 90420394 A 19900906**; CA 2024907 A 19900907; DE 69004766 T 19900906; ES 90420394 T 19900906; FR 8912002 A 19890908; US 57880490 A 19900907