

Title (en)

Device for filling containers with a liquid.

Title (de)

Vorrichtung zum Füllen von Behältern mit einer Flüssigkeit.

Title (fr)

Appareil pour le remplissage de récipients avec un liquide.

Publication

EP 0453879 B1 19931229 (DE)

Application

EP 91105731 A 19910411

Priority

DE 4012849 A 19900423

Abstract (en)

[origin: EP0453879A1] A filling device for filling containers (7) with a liquid is described, which has a storage container (1) holding ready the liquid to be introduced, and at least one filling member (4) connected to the storage container and having a liquid outlet (17) with centring and sealing means (6) for coupling to the containers to be filled. Connected to the liquid outlet (17) is a spin chamber (32) having a spin channel (38) which connects the liquid outlet (17) to a discharge opening (36), to which the containers (7) to be filled are successively coupled. A rotating wall flow is produced with the spin channel as the liquid flows into the container. <IMAGE>

IPC 1-7

B67C 3/26

IPC 8 full level

B65B 3/06 (2006.01); **B67C 3/22** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)

B67C 3/26 (2013.01 - EP US); **B67C 2003/2671** (2013.01 - EP US); **B67C 2003/268** (2013.01 - EP US)

Cited by

CN111892004A; EP3766827A1; US5749403A; US11702332B2; WO9410079A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0453879 A1 19911030; EP 0453879 B1 19931229; CA 2040906 A1 19911024; DE 4012849 A1 19911024; DE 59100761 D1 19940210; ES 2047963 T3 19940301; JP H04242502 A 19920831; US 5125441 A 19920630

DOCDB simple family (application)

EP 91105731 A 19910411; CA 2040906 A 19910422; DE 4012849 A 19900423; DE 59100761 T 19910411; ES 91105731 T 19910411; JP 9233691 A 19910423; US 68745391 A 19910418