

Title (en)

FROTHING APPARATUS AND METHOD FOR EVACUATING THE REMAINING AIR IN A CONTAINER FILLED WITH A FOAMING LIQUID, ESPECIALLY BOTTLES

Publication

**EP 0479030 B1 19930616 (DE)**

Application

**EP 91115726 A 19910917**

Priority

DE 4030081 A 19900922

Abstract (en)

[origin: EP0479030A1] In a frothing apparatus for evacuating the remaining air from containers (2) filled with a frothable liquid, a nozzle (12) for injecting a gaseous or liquid frothing medium into the containers (2) is provided above a conveying path (4) for the filled, but not yet closed, containers. The pressure of the frothing medium is regulated as a function of the degree of frothing. This frothing is recorded as an actual value by means of at least one measuring station (34, 35) and is compared with a desired value. From the difference between actual value and desired value, a control signal is produced to alter the pressure of the frothing medium to the control valve (17). <IMAGE>

IPC 1-7

**B67C 3/22**

IPC 8 full level

**B67C 3/22** (2006.01)

CPC (source: EP)

**B67C 3/222** (2013.01)

Cited by

WO2007131733A1; EP0875484A1; FR2773552A1; EP0827936A1; EP3733588A1; CN111847353A; CN108367904A; EP3395751A4; WO2009095054A1; WO9936348A1; US11247887B2; US8037907B2

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

**EP 0479030 A1 19920408; EP 0479030 B1 19930616**; DE 4030081 A1 19920326; DE 59100157 D1 19930722; ES 2042330 T3 19931201

DOCDB simple family (application)

**EP 91115726 A 19910917**; DE 4030081 A 19900922; DE 59100157 T 19910917; ES 91115726 T 19910917