

Title (en)  
Container filling machine

Title (de)  
Gefäßfüllmaschine

Title (fr)  
Machine d'embouteillage

Publication  
**EP 0761591 B1 19980304 (DE)**

Application  
**EP 96109574 A 19960614**

Priority  
DE 29513031 U 19950817

Abstract (en)  
[origin: EP0761591A1] The liquid to be filled into the bottles is contained in a circular tank (2) through which the vertical filling mechanism extends. The liquid has a controlled level (4) above which a gas, eg. CO<sub>2</sub> is maintained at a controlled pressure. A level monitor (31) extends out of the gas control valve (21,22) which controls the amount of gas added to each bottle. No separate liquid filling nozzle is required with the liquid dropped into the bottle from the tank. Ring ducts and control valves regulate the filling cycle. The pressure in each bottle is reduced slightly prior to removal of the filling system.

IPC 1-7  
**B67C 3/26**

IPC 8 full level  
**B67C 3/28** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)  
**B67C 3/2631** (2013.01 - EP US); **B67C 2003/2685** (2013.01 - EP US)

Cited by  
CN105923592A; CN103274344A; US9751746B2; WO2013189561A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 29513031 U1 19960912**; CN 1148565 A 19970430; DE 59600106 D1 19980409; EP 0761591 A1 19970312; EP 0761591 B1 19980304; JP H09104497 A 19970422; US 5727606 A 19980317

DOCDB simple family (application)  
**DE 29513031 U 19950817**; CN 96109406 A 19960808; DE 59600106 T 19960614; EP 96109574 A 19960614; JP 20694496 A 19960806; US 68870796 A 19960731