

Title (en)  
Bottle filling machine

Title (de)  
Flaschen-Abfüllmaschine

Title (fr)  
Machine d'embouteillage

Publication  
**EP 0769471 A1 19970423 (EN)**

Application  
**EP 96500125 A 19960912**

Priority  
ES 9502003 A 19951017

Abstract (en)  
The machine comprises an optical sensor (1) for detecting the liquid level in a bottle (5) filled with a product (3). After detecting the presence of the bottle, level detecting commences, and the level is detected by means of a beam (4) sent across two cells (2). As a preset level is detected the filling valve will be closed. Mounted in the filling nozzle are sieves (9) to prevent foaming of the liquid. <IMAGE>

IPC 1-7  
**B67C 3/04**; **B67C 3/28**

IPC 8 full level  
**B67C 3/04** (2006.01); **B67C 3/28** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP)  
**B67C 3/04** (2013.01); **B67C 3/284** (2013.01); **B67C 2003/2671** (2013.01)

Citation (search report)  
• [Y] EP 0262483 A1 19880406 - MITSUBISHI HEAVY IND LTD [JP]  
• [Y] DE 3115957 A1 19821125 - HOLSTEIN & KAPPERT MASCHF [DE]  
• [Y] EP 0501046 A1 19920902 - SHIKOKU KAKOKI CO LTD [JP]  
• [A] DE 4239954 A1 19940601 - KHS MASCH & ANLAGENBAU AG [DE]  
• [A] GB 2086861 A 19820519 - SEITZ WERKE GMBH

Cited by  
FR2906789A1; CN111498211A; CN117682148A; WO2008040876A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0769471 A1 19970423**; **EP 0769471 B1 20000329**; AR 003757 A1 19980909; BR 9605040 A 19980630; DE 69607436 D1 20000504; DE 69607436 T2 20001123; ES 2126463 A1 19990316; ES 2126463 B1 19991116

DOCDB simple family (application)  
**EP 96500125 A 19960912**; AR P960104556 A 19961001; BR 9605040 A 19961010; DE 69607436 T 19960912; ES 9502003 A 19951017