Title (en)

Bottle filling device with liquid level adjustment without loss of liquid

Title (de)

Flaschenfüllvorrichtung mit Füllhöheregelung ohne Flüssigkeitsverlust

Title (fr)

Dispositif d'emplissage de bouteilles avec mise à niveau du liquide dans lesdites bouteilles, sans perte de liquide

Publication

EP 0906889 B1 20010321 (FR)

Application

EP 98450016 A 19981001

Priority

FR 9712725 A 19971003

Abstract (en)

[origin: EP0906889A1] The bottle filler consists of a nozzle (120) connected to a container (110) of the liquid (112) and containing an air return tube lying coaxially with its cannula (126) inside the nozzle and having a radial aperture (125) adjacent to the nozzle tip. The outlet end of the cannula is situated at one height (Ho), while the aperture (125) in the air return tube (124) is situated at a second height (H1) above it. Both the cannula and air return tube are at atmospheric pressure.

IPC 1-7

B67C 3/26

IPC 8 full level

B67C 3/26 (2006.01)

CPC (source: EP)

B67C 3/2637 (2013.01); B67C 2003/2651 (2013.01)

Cited by

EP1810946A1; FR2849011A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0906889 A1 19990407; **EP 0906889 B1 20010321**; AT E199879 T1 20010415; DE 69800617 D1 20010426; FR 2769303 A1 19990409; FR 2769303 B1 19991231

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EP 98450016 A 19981001; AT 98450016 T 19981001; DE 69800617 T 19981001; FR 9712725 A 19971003