

Title (en)

FILLING HEAD FOR A BOTTLE-FILLING MACHINE, AND FILLING MACHINE EQUIPPED WITH SUCH A FILLING HEAD

Publication

**EP 0268524 B1 19910710 (FR)**

Application

**EP 87402483 A 19871104**

Priority

FR 8615403 A 19861105

Abstract (en)

[origin: US4967813A] A filling head for a machine for automatic filling of bottles to a constant level, particularly in free air, and a filling machine equipped with such filling heads. The filling head has a circulation chamber into which the filling liquid enters via a feed orifice and from which the filling liquid leaves via a lower outlet orifice which is extended by a discharge tube for penetrating inside a neck of a bottle during filling. A membrane with a projection opens or closes the outlet orifice in response to control signals emitted by a detector of the filling level arranged on a zone of the discharge tube situated inside the bottle during filling.

IPC 1-7

**B67C 3/26**; **B67C 3/28**; **F16K 7/17**

IPC 8 full level

**B67C 3/00** (2006.01); **B67C 3/28** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)

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Citation (examination)

US 3150697 A 19640929 - RISSER IVAN H

Cited by

EP0528216A1; DE19646595A1; DE19646595C2; US10189693B2; WO2015000826A1; WO2010003666A1

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**EP 0268524 A1 19880525**; **EP 0268524 B1 19910710**; DE 3771311 D1 19910814; ES 2023429 B3 19920116; FR 2606008 A1 19880506; FR 2606008 B1 19890728; US 4967813 A 19901106

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