

Title (en)

METHOD AND APPARATUS FOR FILLING BOTTLES WITH LIQUID

Publication

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Application

**EP 89108237 A 19890508**

Priority

- DE 3815944 A 19880510
- DE 3909404 A 19890322

Abstract (en)

[origin: EP0341626A1] The invention relates to a method for filling bottles or similar vessels with liquid, and to a filling head used in this method. The filling head has a liquid valve and a dispensing orifice, via which the liquid flows to the vessel to be filled, via its vessel orifice, in the filling phase with the liquid valve open. In a rinsing phase prior to the filling phase, the inside of the particular vessel has a rinsing gas applied to it via a tubular piece penetrating into this inside through the vessel orifice, which rinsing gas emerges at an orifice of a gas duct provided at the lower end of the tubular piece. The outlet orifice is here designed as an annular orifice surrounding the vertical filling head axis concentrically. Residual amounts of air remaining in the vessel after the rinsing are conclusively reduced, in spite of the shortened rinsing time, by introducing the rinsing gas via this annular orifice into the inside of the vessel.

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**B67C 3/10**; **B67C 3/26**

IPC 8 full level

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Citation (examination)

- DE 1657191 A1 19710204 - SEITZ WERKE GMBH
- DE 1943503 A1 19710304 - WINTERWERB STRENG CO GMBH
- US 2377796 A 19450605 - MCKINNIS RONALD B

Cited by

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