

Title (en)
FILLING SYSTEM

Title (de)
FÜLLSYSTEM ZUM FÜLLEN VON FLASCHEN

Title (fr)
SYSTÈME DE REMPLISSAGE

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Application
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Abstract (en)
[origin: WO2010115504A2] The invention relates to a filling system for filling bottles or similar containers (2) with a liquid filling material, said system comprising at least one filling element, a liquid channel formed in a housing of the filling element and connected to a tank for providing the liquid filling material, and at least one outlet for dispensing the liquid filling material into the respective container attached to the filling element. Said filling system also comprises a liquid valve in the liquid channel, a gas return tube that projects past the at least one outlet on one end, for controlling the level of the filling material in the filled container, and is connected to a gas chamber, formed for example in the tank, by means of a fluid connection. The filling system also comprises an open fluid channel inside the filling element, in the region of the outlet. Said channel can be connected to a ring channel guiding a gaseous and/or vaporous fluid under pressure, preferably an inert gas under pressure, and controlled by at least one first control valve.

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