Title (en)
 FILLING ELEMENT AND FILLING SYSTEM COMPRISING SUCH A FILLING ELEMENT

Title (de)
 FÜLLELEMENT SOWIE FÜLLSYSTEM MIT EINEM SOLCHEN FÜLLELEMENT

Title (fr)
 ÉLÉMENT DE REMPLISSAGE ET SYSTÈME DE REMPLISSAGE COMPRENANT UN TEL ÉLÉMENT DE REMPLISSAGE

Publication
 EP 2346776 A1 20110727 (DE)

Application
 EP 09748036 A 20091028

Priority
 • EP 2009007689 W 20091028
 • DE 102008057752 A 20081117

Abstract (en)
 [origin: WO2010054746A1] A filling element for filling systems for filling bottles or similar containers (2) with a hot liquid product, comprising a liquid channel (14, 15), which is formed in the filling element (1), has a filling valve (9) and forms at least one discharge opening, via which, by controlled opening and closing of the liquid valve (9), the liquid product can be introduced into the respective container (2) that has been raised towards the filling element (1) in a lifting movement, and comprising at least one flow path (16, 17, 18), which is formed in the liquid valve (1) and, for heating the filling element (1), can be connected to a hot circulation of the liquid product, characterized in that control means (5.2) are provided and, by the lifting movement of the container (2) to be filled, open the liquid valve (9) and block the flow path (16, 17, 18) for the hot circulation or reduce the effective flow cross section of this flow path (16, 17, 18), and in that optionally, at least over part of the length of the flow path (16, 17, 18) for the hot circulation, the inner surface of this flow path is profiled, for example provided with ribs (30), to increase the surface area that comes into contact with the product and/or to create a turbulent flow of the product.

IPC 8 full level
 B67C 3/04 (2006.01)

CPC (source: EP US)
 B67C 3/045 (2013.01 - EP US); **B67C 3/2637** (2013.01 - US)

Citation (search report)
 See references of WO 2010054746A1

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 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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DOCDB simple family (publication)
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