

Title (en)  
FILLING ELEMENT

Title (de)  
FÜLLELEMENT

Title (fr)  
ÉLÉMENT DE REMPLISSAGE

Publication  
**EP 2501643 B1 20160629 (DE)**

Application  
**EP 10773568 A 20101008**

Priority  
• DE 102009053350 A 20091117  
• EP 2010006166 W 20101008

Abstract (en)  
[origin: WO2011060853A2] The invention relates to a filling element for a filling system or for a filling machine for filling containers with a liquid filling material. The filling element has at least one liquid channel designed in a filling element housing, which channel forms at least one discharge opening for the liquid filling material and can be connected to a source for providing the liquid filling material or a component of said filling material, at least one liquid valve in the at least one liquid channel for the controlled discharge of the filling material or the component at the discharge opening, and a gas barrier, which, when the liquid valve is closed, prevents the filling material from continuing to flow or drip, and for that purpose forms at least one flow channel having a reduced cross-section.

IPC 8 full level  
**B67C 3/26** (2006.01)

CPC (source: EP US)  
**B67C 3/2608** (2013.01 - EP US); **B65B 3/04** (2013.01 - US)

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011060853 A2 20110526; WO 2011060853 A3 20111020**; BR 112012006548 A2 20200811; DE 102009053350 A1 20110707; DE 102009053350 B4 20110922; EP 2501643 A2 20120926; EP 2501643 B1 20160629; SI 2501643 T1 20160831; US 2012186695 A1 20120726; US 8931526 B2 20150113

DOCDB simple family (application)  
**EP 2010006166 W 20101008**; BR 112012006548 A 20101008; DE 102009053350 A 20091117; EP 10773568 A 20101008; SI 201031223 A 20101008; US 201013498634 A 20101008