

Title (en)  
FILLING ELEMENT AND METHOD FOR FILLING LARGE-VOLUME CONTAINERS WITH A LIQUID FEEDSTOCK WHILE ADMITTING LITTLE OXYGEN

Title (de)  
FÜLLELEMENT UND VERFAHREN ZUR SAUERSTOFFARMEN FÜLLUNG GROSSVOLUMIGER BEHÄLTER MIT EINEM FLÜSSIGEN FÜLLGUT

Title (fr)  
ÉLÉMENT DE CHARGEMENT ET PROCÉDÉ DE CHARGEMENT PAUVRE EN OXYGÈNE DE CONTENANTS DE GRAND VOLUME AVEC UN PRODUIT LIQUIDE

Publication  
**EP 2183182 A1 20100512 (DE)**

Application  
**EP 08774007 A 20080717**

Priority  
• EP 2008005826 W 20080717  
• DE 102007040262 A 20070824

Abstract (en)  
[origin: WO2009026993A1] Disclosed is a filling element (2) for filling containers, the filling process being preceded by at least one rinsing process. Said filling element (2) comprises a liquid valve (3) and a rinsing tube (4) that can be moved between a parked position and an operational position. The rinsing tube and the liquid duct (8) within the filling element are spatially separated from one another.

IPC 8 full level  
**B67C 3/10** (2006.01)

CPC (source: EP US)  
**B67C 3/10** (2013.01 - EP US); **B67C 2003/2668** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009026993A1

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

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007040262 A1 20090226**; EP 2183182 A1 20100512; EP 2183182 B1 20121226; JP 2010536670 A 20101202; PL 2183182 T3 20130531; SI 2183182 T1 20130329; US 2011048577 A1 20110303; US 9181074 B2 20151110; WO 2009026993 A1 20090305

DOCDB simple family (application)  
**DE 102007040262 A 20070824**; EP 08774007 A 20080717; EP 2008005826 W 20080717; JP 2010521324 A 20080717; PL 08774007 T 20080717; SI 200830885 T 20080717; US 71181610 A 20100224