

Title (en)
FILLING SYSTEM

Title (de)
FÜLLSYSTEM

Title (fr)
SYSTÈME DE REMPLISSAGE

Publication
EP 2162382 B1 20130710 (DE)

Application
EP 08749178 A 20080426

Priority
• EP 2008003404 W 20080426
• DE 102007024106 A 20070522

Abstract (en)
[origin: WO2008141717A1] The invention relates to a filling system of a filling machine for hot-filling bottles or the like containers (2). Said filling system comprises at least one filling element (3) having a liquid channel (8) configured in a housing (7) of the filling element, which channel communicates on the one end with a bowl (14) for the liquid product and on the other end forms a discharge section (5) for discharging the liquid product into the respective container. The filling system also comprises a liquid valve (10) in the liquid channel, said valve being controllable between a closed and at least one open state.

IPC 8 full level
B67C 3/00 (2006.01); **B67C 3/04** (2006.01)

CPC (source: EP US)
B67C 3/004 (2013.01 - EP US); **B67C 3/045** (2013.01 - EP US)

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

DOCDB simple family (publication)
DE 102007024106 A1 20081127; DE 102007024106 B4 20091203; BR PI0806398 A2 20110906; CN 101588985 A 20091125; CN 101588985 B 20110518; EP 2162382 A1 20100317; EP 2162382 B1 20130710; JP 2010527850 A 20100819; JP 5236728 B2 20130717; MX 2009006985 A 20090904; PL 2162382 T3 20131231; RU 2417938 C1 20110510; SI 2162382 T1 20131030; US 2010132834 A1 20100603; US 8459315 B2 20130611; WO 2008141717 A1 20081127

DOCDB simple family (application)
DE 102007024106 A 20070522; BR PI0806398 A 20080426; CN 200880003113 A 20080426; EP 08749178 A 20080426; EP 2008003404 W 20080426; JP 2010508714 A 20080426; MX 2009006985 A 20080426; PL 08749178 T 20080426; RU 2009147440 A 20080426; SI 200831030 T 20080426; US 62409009 A 20091123