

Title (en)
Filling-head with gas barrier

Title (de)
Füllventil mit Gassperre

Title (fr)
Tête de remplissage avec barrière à gaz

Publication
EP 1577259 B1 20110810 (DE)

Application
EP 05003992 A 20050224

Priority
DE 102004013211 A 20040317

Abstract (en)
[origin: EP1577259A1] The filling valve (1), to fill containers with a liquid through an outflow (2), has a liquid flow channel which can be closed and a gas lock. The gas lock (7) is a flow element (8) in the liquid flow channel (5), with its flow opening (11) formed by a number of dividing channels (9), working together along the flow direction.

IPC 8 full level
B67C 3/26 (2006.01)

CPC (source: EP US)
B67C 3/26 (2013.01 - EP US); **B67C 2003/2645** (2013.01 - EP US)

Cited by
EP1997968A3; CN111152956A; US9567199B2; WO2007137727A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1577259 A1 20050921; EP 1577259 B1 20110810; DE 102004013211 A1 20050929; US 2005211332 A1 20050929;
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EP 05003992 A 20050224; DE 102004013211 A 20040317; US 8223605 A 20050316