

Title (en)

Filling machine for filling containers

Title (de)

Füllmaschine zum Füllen von Behältern

Title (fr)

Machine de remplissage pour remplir des récipients

Publication

EP 1544157 B1 20090211 (DE)

Application

EP 04029312 A 20041210

Priority

DE 10359312 A 20031217

Abstract (en)

[origin: EP1544157A1] The filling machine has in the filler pipe which connects with the container neck a first gas channel (14) for supplying and removing process gases as well as further media. Either this gas channel or a further gas and fluid channel (15) is infinitely adjustable in height to determine the filling level and is set up for discharging or supplying a pressurised gas above the pretensioning pressure. The gas channel can be adjusted independently of the gas channels of the other filler elements (3).

IPC 8 full level

B67C 3/10 (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP)

B67C 3/10 (2013.01); **B67C 3/262** (2013.01); **B67C 2003/2668** (2013.01)

Cited by

ITMO20100238A1; CN106946206A; CN113039150A; DE102006055375B4; EP2386518A1; EP2754637A1; EP2236454A1; ITPD20090075A1; ITPD20110366A1; EP2594524A1; DE102016104719B3; US9604834B2; US8955560B2; US8434530B2; US8794275B2; WO2010094409A3; WO2013083244A1; WO2008065685A1; EP1995208B2

Designated contracting state (EPC)

DE FR IT SI

DOCDB simple family (publication)

EP 1544157 A1 20050622; **EP 1544157 B1 20090211**; DE 10359312 A1 20050728; DE 10359312 B4 20160225; DE 502004008961 D1 20090326; SI 1544157 T1 20090630

DOCDB simple family (application)

EP 04029312 A 20041210; DE 10359312 A 20031217; DE 502004008961 T 20041210; SI 200431099 T 20041210