

Title (en)
FILLING VALVE

Title (de)
FÜLLVENTIL

Title (fr)
VANNE DE REMPLISSAGE

Publication
EP 3194326 B1 20181107 (DE)

Application
EP 15763372 A 20150917

Priority
• DE 102014113488 A 20140918
• EP 2015071371 W 20150917

Abstract (en)
[origin: WO2016042102A1] The invention relates to a filling valve (10; 40) of a filling device for filling products containing a liquid, comprising at least one valve tappet (14) which is arranged in a valve seat (12) in an axially movable manner. An axial portion (36) is formed between the valve seat and the valve tappet, said product flowing to a second seal seat (30) in said axial portion. The second seal seat is formed on an outlet end of the filling valve, and a first seal seat (24; 42) is additionally arranged in the filling valve upstream of the second seal seat (30) in the flow direction so as to be connected to the axial portion. The first seal seat has sealing elements (26, 27, 28; 44, 48, 28) which interact with one another. The first seal seat and the second seal seat are arranged on the valve tappet such that the first seal seat closes before the second seal seat during a closing movement of the valve tappet. After the valve tappet is closed, the first seal seat allows another axial movement of the valve tappet in the closing direction until the second seal seat is closed.

IPC 8 full level
B67C 3/26 (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP US)
B67C 3/2608 (2013.01 - EP US); **B67C 3/281** (2013.01 - EP 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)
DE 102014113488 A1 20160324; EP 3194326 A1 20170726; EP 3194326 B1 20181107; US 10647562 B2 20200512;
US 2017283233 A1 20171005; WO 2016042102 A1 20160324

DOCDB simple family (application)
DE 102014113488 A 20140918; EP 15763372 A 20150917; EP 2015071371 W 20150917; US 201515512655 A 20150917