

Title (en)
Filling device

Title (de)
Befülleinrichtung

Title (fr)
Dispositif de remplissage

Publication
EP 2213613 B1 20150422 (DE)

Application
EP 09177223 A 20091126

Priority
DE 102009006795 A 20090130

Abstract (en)
[origin: EP2213613A2] The device has a storage container (8) for receiving beverage, and a filling valve for filling packages e.g. bottles, with the beverage from the storage container. A heat exchanger (9) is integrated into a gap (8c) between an internal wall (8a) and an external wall (8b) of the storage container. Another heat exchanger is integrated into a wall of the filling valve, and heat exchanging medium flows between the internal wall and the external wall of the storage container. The storage container is connected with a cooling and/or heating assembly (10).

IPC 8 full level
B67C 3/14 (2006.01); **B67C 3/02** (2006.01); **B67C 3/22** (2006.01)

CPC (source: EP US)
B67C 3/02 (2013.01 - EP US); **B67C 3/14** (2013.01 - EP US); **B67C 3/22** (2013.01 - EP US)

Cited by
EP2664578A1; IT201600113843A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2213613 A2 20100804; EP 2213613 A3 20130612; EP 2213613 B1 20150422; CN 101792102 A 20100804; CN 101792102 B 20130626; DE 102009006795 A1 20100805; US 2010193072 A1 20100805; US 8443850 B2 20130521

DOCDB simple family (application)
EP 09177223 A 20091126; CN 201010001841 A 20100118; DE 102009006795 A 20090130; US 69019010 A 20100120