

Title (en)
Device for filling drinks containing particles

Title (de)
Vorrichtung zum Abfüllen Partikel enthaltender Getränke

Title (fr)
Dispositif destiné à embouteiller des boissons contenant des particules

Publication
EP 2199249 A3 20130306 (DE)

Application
EP 09179544 A 20091217

Priority
DE 102008064318 A 20081220

Abstract (en)
[origin: EP2199249A2] The device (1) has a reservoir for a liquid to be bottled, and a connecting pipe (6) is provided for transporting the liquid from the reservoir to a filling device (8). The filling device has a valve device (12) for controlling a fluid flow in a container (10). Another valve device (14) is arranged with the former valve device in the connecting pipe in series with the former valve device. An amount of liquid is flowed past in the latter valve device. An independent claim is also included for a method for filling the container with liquid, particularly drinks.

IPC 8 full level
B67C 3/28 (2006.01)

CPC (source: EP US)
B67C 3/28 (2013.01 - EP US)

Citation (search report)

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- [XI] EP 1433738 A1 20040630 - DAINIPPON PRINTING CO LTD [JP], et al
- [XI] EP 0999176 A1 20000510 - SHIKOKU KAKOKI CO LTD [JP]
- [X] JP 2005145527 A 20050609 - Q P CORP
- [X] US 2168380 A 19390808 - WINTON LEWIS B
- [A] WO 2007137727 A2 20071206 - KHS AG [DE], et al
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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 2199249 A2 20100623; EP 2199249 A3 20130306; EP 2199249 B1 20150722; CN 101746700 A 20100623; CN 101746700 B 20131106; DE 102008064318 A1 20100701; SI 2199249 T1 20151231; US 2010154920 A1 20100624; US 8353320 B2 20130115

DOCDB simple family (application)
EP 09179544 A 20091217; CN 200910265914 A 20091221; DE 102008064318 A 20081220; SI 200931289 T 20091217; US 64371109 A 20091221