

Title (en)  
Integrated cartridge for extracting a beverage from a particulate substance

Title (de)  
Integrierte Kapsel zum Extrahieren eines Getränkes

Title (fr)  
Capsule intégrée pour l'extraction d'une boisson

Publication  
**EP 1580143 B1 20070711 (EN)**

Application  
**EP 04007293 A 20040326**

Priority  
EP 04007293 A 20040326

Abstract (en)  
[origin: EP1580143A1] A cartridge (1) for extracting a beverage from a particulate substance (4) contained therein by means of water under pressure, the cartridge comprising: a main body comprising a cup portion (2) and a lid portion (3), the cup portion (2) comprising a base (7), a sidewall (8) and a rim (9a) opposed to the base (7), the lid portion (3) being fixedly attached to the rim (9a) of the cup portion so as to define an internal volume of the cartridge, the internal volume of the cartridge housing the particulate substance (4) comprised within filtering means (5a,5b) for retaining the particulate substance (4) and for percolating fluid substances therethrough, the lid portion (3) comprising a lid port (6b) defining a first passage for percolation fluid substances, the base (7) of the cup portion (2) comprising a cup port (6a) defining a second passage for percolation fluid substances, characterized in that the base comprises a plurality of ridges (101a) directly formed thereon and protruding towards the internal volume of the cartridge (1), so as to support the filtering means (5a) and the particulate substance (4) and to define a fine canalization between the filtering means (5a) and the cup port (6a).

IPC 8 full level  
**B65D 81/00** (2006.01); **B65D 85/804** (2006.01)

CPC (source: EP US)  
**B65D 85/8061** (2020.05 - EP US)

Cited by  
JP2015534471A; RU2487067C2; ITRM20090594A1; CN105942862A; RU2470847C2; ITMI20091636A1; CN103209907A; CN105747854A; US7815953B2; AU2006346692B2; CN107428458A; RU2717773C2; AU2017223261B2; GB2488799A; CN103502115A; US9932168B2; US2018170663A1; EP1767467A1; AU2006299282B2; ITBO20100297A1; US2014373725A1; US10450131B2; US9783361B2; US10589922B2; US7681492B2; US11504898B2; US8186264B2; US10442610B2; WO2015018628A1; WO2017145091A1; WO2007132409A1; WO2007039032A3; WO2022229891A1; US9555958B2; US9718607B2; US10214344B2; JP2009508547A; US8960076B2; US9821950B2; US9877495B2; US10820607B2; US8850960B2; US9375111B2; US9725231B2; US9730544B2; US10039410B2; WO2011035942A1; WO2012035012A1; WO2016008865A1

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