

Title (en)

A disposable cartridge for use in a machine for the extraction and delivery of beverages

Title (de)

Wegwerfbare Kartusche zum Anwenden in einer Maschine zum Zubereiten und Verteilen von Getränken

Title (fr)

Cartouche jetable pour utiliser dans une machine à préparer et à distribuer des boissons

Publication

EP 1042978 A1 20001011 (EN)

Application

EP 00107321 A 20000404

Priority

IT TO990273 A 19990408

Abstract (en)

A disposable cartridge, containing or adapted to contain a dose of a water-soluble product for preparing a beverage, includes a substantially cylindrical casing of substantially rigid injection-moulded plastics material, with an inlet wall (20) having one or more water-inlet apertures (26) located near its periphery. The or each inlet aperture is defined by a slot (26) substantially in the form of an annulus which delimits a central wall area (32) integrally connected to the rest of the inlet wall (20) by at least one radial bridge (34) formed of the plastics material constituting the inlet wall (20). <IMAGE>

IPC 1-7

A47J 31/06; B65D 81/00

IPC 8 full level

A47J 31/06 (2006.01); **B65D 81/00** (2006.01); **B65D 85/804** (2006.01)

CPC (source: EP US)

B65D 85/8043 (2013.01 - EP US)

Citation (applicant)

- EP 0057671 A2 19820811 - UNOPER SRL [IT]
- EP 0041931 A1 19811216 - UNOPER SRL [IT]

Citation (search report)

- [DA] EP 0057671 A2 19820811 - UNOPER SRL [IT]
- [A] FR 2338027 A1 19770812 - SEB SA [FR]
- [A] EP 0760222 A2 19970305 - BRAUN AG [DE]

Cited by

ITUB20152105A1; CN113226946A; IT202000000295A1; DE202005018847U1; GB2397502A; GB2397502B; US10392184B2; GB2397507A; GB2397507B; GB2416480A; GB2416480B; ITMI20101603A1; US6948420B2; US9783361B2; US7987768B2; US9828153B2; WO2017009771A1; WO2007085921A3; WO2016050714A1; WO2005056423A1; US10450131B2; US8522668B2; US9932168B2; US10442610B2; US10624490B2; US9604776B2; US8109200B2; US9561900B2; US9877495B2; US10820607B2; US9994388B2; US10442611B2; US10676273B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1042978 A1 20001011; **EP 1042978 B1 20020619**; AT E219338 T1 20020715; DE 60000217 D1 20020725; DE 60000217 T2 20021107; DK 1042978 T3 20021014; ES 2174783 T3 20021116; IT 1307241 B1 20011030; IT TO990273 A1 20001008; PT 1042978 E 20020930

DOCDB simple family (application)

EP 00107321 A 20000404; AT 00107321 T 20000404; DE 60000217 T 20000404; DK 00107321 T 20000404; ES 00107321 T 20000404; IT TO990273 A 19990408; PT 00107321 T 20000404