

Title (en)

Unit dose detergent for cleaning a coffee machine

Title (de)

Reinigungsmittel enthaltende Portionspackung zur Reinigung einer Kaffeemaschine

Title (fr)

Produit détergent sous forme de dose unitaire pour le nettoyage d'une machine à café

Publication

EP 1829954 A1 20070905 (EN)

Application

EP 06110656 A 20060303

Priority

EP 06110656 A 20060303

Abstract (en)

The present invention relates to a unit dose detergent for cleaning a hot and cold drink vending machine comprising a water-soluble capsule filled with a detergent composition, wherein the capsule has a substantially spherical shape with a largest cross-sectional dimension of 1-2.5 cm, and to a method of cleaning a hot and cold drink vending machine by dissolving said unit dose detergent in water in the water tank of the machine, and discharging the tank after dissolution.

IPC 8 full level

C11D 17/00 (2006.01); **C11D 7/54** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)

C11D 3/3942 (2013.01); **C11D 17/0039** (2013.01); **C11D 17/041** (2013.01); **C11D 17/042** (2013.01); **C11D 2111/20** (2024.01)

Citation (applicant)

- WO 9735955 A1 19971002 - KAERCHER GMBH & CO ALFRED [DE], et al
- US 6514429 B1 20030204 - WASCHENBACH GUIDO [DE], et al
- EP 1591515 A1 20051102 - JOHNSON DIVERSEY INC [US]

Citation (search report)

- [X] EP 1577375 A2 20050921 - JAHNSEN TORBEN REINDAHL [DK]
- [DX] US 6514429 B1 20030204 - WASCHENBACH GUIDO [DE], et al
- [X] DE 10305799 A1 20040902 - HENKEL KGAA [DE]
- [X] DE 10327878 A1 20050120 - HENKEL KGAA [DE]
- [DX] EP 1591515 A1 20051102 - JOHNSON DIVERSEY INC [US]
- [DA] WO 9735955 A1 19971002 - KAERCHER GMBH & CO ALFRED [DE], et al

Cited by

WO2024013183A1; GB2580632A; EP4306013A1; EP2050811A1; CH706496A1; US2013112082A1; US8881643B2; US9670439B2; WO2015150230A1; WO2013166615A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1829954 A1 20070905; EP 1829954 B1 20140507; RU 2008139286 A 20100410; WO 2007103635 A1 20070913

DOCDB simple family (application)

EP 06110656 A 20060303; RU 2008139286 A 20070221; US 2007062485 W 20070221