

Title (en)
ENGAGEMENT FLANGE FOR REMOVABLE DISPENSER CARTRIDGE

Title (de)
EINGRIFFSFLANSCH FÜR ABNEHMBARE SPENDERKARTUSCHE

Title (fr)
BRIDE D'ENGAGEMENT POUR CARTOUCHE AMOVIBLE DE DISTRIBUTEUR

Publication
EP 3424383 A1 20190109 (EN)

Application
EP 18188236 A 20091207

Priority

- CA 2645953 A 20081208
- US 15970209 A 20090312
- CA 2658501 A 20090313
- CA 2686981 A 20091203
- EP 09178194 A 20091207
- US 15970209 P 20090312

Abstract (en)
An improved arrangement for removably coupling a replaceable cartridge to a housing of a dispenser with the cartridge including a resilient member which prevents radial movement relative a catch member of the housing from a coupled orientation unless the resilient member is deflected from an unbiased inherent configuration.

IPC 8 full level
A47K 5/12 (2006.01); **A47K 10/16** (2006.01); **A47K 10/38** (2006.01)

CPC (source: EP)
A47K 5/12 (2013.01); **A47K 10/16** (2013.01); **A47K 10/38** (2013.01); **A47K 5/1207** (2013.01)

Citation (applicant)

- US 2009039099 A1 20090212 - FRIESEN MATTHEW [CA], et al
- US 2008230418 A1 20080925 - LIND MATS [SE], et al
- US 5165577 A 19921124 - OPHARDT HEINER [CA]
- US 6409050 B1 20020625 - OPHARDT HEINER [CA], et al
- US 7267251 B2 20070911 - OPHARDT HEINER [CA]

Citation (search report)
[A] FR 2909649 A1 20080613 - GRANGER MAURICE [FR]

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 2193736 A2 20100609; EP 2193736 A3 20170111; EP 2193736 B1 20181003; EP 3424383 A1 20190109; EP 3424383 B1 20210407

DOCDB simple family (application)
EP 09178194 A 20091207; EP 18188236 A 20091207