

Title (en)

STANDINNG CARTRIDGE, APPLICATION DEVICE FOR THE SAME AND METHOD FOR USING THE CARTRIDGE

Title (de)

STEHFÄHIGE KARTUSCHE, AUSTRAGSVORRICHTUNG FÜR EINE SOLCHE SOWIE VERFAHREN ZUR VERWENDUNG DER KARTUSCHE

Title (fr)

CARTOUCHE POUVANT TENIR DEBOUT, DISPOSITIF DE SORTIE POUR CELLE-CI ET PROCÉDÉ D'UTILISATION DE LA CARTOUCHE

Publication

EP 2560888 B1 20170531 (DE)

Application

EP 11712850 A 20110406

Priority

- EP 10160343 A 20100419
- EP 2011055332 W 20110406
- EP 11712850 A 20110406

Abstract (en)

[origin: WO2011131483A1] The invention relates to a cartridge that is capable of standing, comprising at least one receiving chamber (2) extending in the longitudinal direction for a medium to be discharged, a cartridge base (4) and a cartridge wall (3), which delimit the receiving chamber (2), wherein the cartridge (1) is produced by means of a thermoforming method or a blow molding method and is designed to be collapsible in a controlled manner. The invention further relates to a discharge device for at least one cartridge (1) according to the invention, comprising a support cartridge (20) for receiving the at least one cartridge (1), a closure unit (40) on a first axial end, and a discharge plunger (50) on a second axial end of the support cartridge (20) for collapsing the at least one cartridge in a controlled manner.

IPC 8 full level

B65D 1/26 (2006.01); **B05C 17/005** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP KR US)

B05C 17/00509 (2013.01 - EP KR US); **B05C 17/00553** (2013.01 - EP KR US); **B05C 17/00583** (2013.01 - EP KR US);
B65D 1/26 (2013.01 - EP KR US); **B65D 83/0072** (2013.01 - EP KR US)

Citation (examination)

DE 102004056908 A1 20060601 - FISCHER ARTUR WERKE GMBH [DE]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011131483 A1 20111027; BR 112012026625 A2 20200825; CA 2796690 A1 20111027; CA 2796690 C 20171128;
CN 102958811 A 20130306; CN 102958811 B 20160629; EP 2560888 A1 20130227; EP 2560888 B1 20170531; KR 20130061136 A 20130610;
TW 201204612 A 20120201; TW I515156 B 20160101; US 2013026182 A1 20130131; US 9493289 B2 20161115

DOCDB simple family (application)

EP 2011055332 W 20110406; BR 112012026625 A 20110406; CA 2796690 A 20110406; CN 201180019701 A 20110406;
EP 11712850 A 20110406; KR 20127027199 A 20110406; TW 100112972 A 20110414; US 201113640383 A 20110406