

Title (en)

Cartridge for at least two flowable components

Title (de)

Kartusche für mindestens zwei fließfähige Komponenten

Title (fr)

Cartouche pour au moins deux composants pouvant s'écouler

Publication

EP 2730341 B1 20180711 (DE)

Application

EP 13191230 A 20131101

Priority

- EP 12191712 A 20121108
- EP 13191230 A 20131101

Abstract (en)

[origin: EP2730341A1] The cartridge (10) has a first storage chamber (11) comprising a first inner wall (13) and a first filling opening (12). A second storage chamber (21) comprises a second inner wall (23) and a second filling opening (22), where the inner walls comprise peripheral bead (18, 28) in a region of the filling openings. First and second cylindrical pistons (17, 27) are held captively after insertion into the chambers by the bead. The inner walls respectively comprise first and second connection sections. A connection web is arranged between the connection sections.

IPC 8 full level

B05C 17/005 (2006.01)

CPC (source: EP KR US)

B05C 17/00553 (2013.01 - EP US); **B65D 25/04** (2013.01 - US); **B65D 81/32** (2013.01 - KR); **B65D 83/00** (2013.01 - KR); **B65D 83/0005** (2013.01 - US)

Citation (examination)

- US 6173869 B1 20010116 - THAYER JONATHAN [US]
- EP 0688727 A1 19951227 - KELLER WILHELM A [CH]

Cited by

EP3992110A1

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)

EP 2730341 A1 20140514; EP 2730341 B1 20180711; BR 102013026221 A2 20140930; BR 102013026221 B1 20201208; BR 102013026221 B8 20230321; CA 2830725 A1 20140508; CN 103803179 A 20140521; CN 103803179 B 20171013; ES 2690857 T3 20181122; JP 2014095698 A 20140522; JP 6275448 B2 20180207; KR 102023143 B1 20190919; KR 20140059709 A 20140516; US 2014124508 A1 20140508; US 2017158413 A1 20170608; US 9611074 B2 20170404

DOCDB simple family (application)

EP 13191230 A 20131101; BR 102013026221 A 20131011; CA 2830725 A 20131023; CN 201310546061 A 20131107; ES 13191230 T 20131101; JP 2013222223 A 20131025; KR 20130118598 A 20131004; US 201314058872 A 20131021; US 201715434778 A 20170216