Title (en)
MULTICOMPONENT CARTRIDGE

Title (de)
MEHRKOMPONENTEN-KARTUSCHE

Title (fr)
CARTOUCHE A PLUSIEURS CONSTITUANTS

Publication
EP 1871686 B1 20091021 (DE)

Application
EP 06724225 A 20060411

Priority
• EP 2006003297 W 20060411
• DE 102005017599 A 20050416

Abstract (en)
[origin: US2009266843A1] The inventive multicomponent cartridge (1) for separately storing and for jointly pressing out at least two components of a free-flowing substance comprises at least one cylinder (2) for holding the substance with at least one pressing plunger (4) for pressing out the substance and at least one outlet (5) for the substance. The components of the substance are stored in separate chambers (8, 9) inside the cylinder (2) that extend in the longitudinal direction of the cylinder (2). An inner area (12) of a film (7) forms a partition (13) of the cylinder (2) between the chambers (8, 9) of the multicomponent cartridge (1). An outer area (11) of the film (7) is integrally joined to the cylinder. According to the inventive method for producing the inventive multi-component cartridge (1), the outer area (11) of the film (7) is encapsulated during the injection molding of the cylinder (2) for the multicomponent cartridge (1).

IPC 8 full level
B65D 83/00 (2006.01); **B67D 7/60** (2010.01); **B05C 17/005** (2006.01)

CPC (source: EP KR US)
B05C 17/005 (2013.01 - KR); **B05C 17/00559** (2013.01 - EP US); **B05C 17/00596** (2013.01 - EP); **B65D 81/325** (2013.01 - EP US); **B65D 83/00** (2013.01 - KR); **B65D 83/0072** (2013.01 - EP US); Y10T 29/49885 (2015.01 - EP US)

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)
HR

DOCDB simple family (publication)
US 2009266843 A1 20091029; **US 7793800 B2 20100914**; AR 056969 A1 20071107; AT E446263 T1 20091115; AU 2006237103 A1 20061026; BR PI0608589 A2 20100119; CN 100575212 C 20091230; CN 101160247 A 20080409; DE 102005017599 A1 20061019; DE 502006005189 D1 20091203; EP 1871686 A1 20080102; EP 1871686 B1 20091021; ES 2333903 T3 20100302; JP 2008538344 A 20081023; KR 20070119668 A 20071220; MY 141652 A 20100531; PL 1871686 T3 20100331; RU 2007142277 A 20090527; RU 2389670 C2 20100520; TW 200637711 A 20061101; TW I338612 B 20110311; WO 2006111297 A1 20061026; ZA 200707749 B 20080925

DOCDB simple family (application)
US 91054806 A 20060411; AR P060101441 A 20060412; AT 06724225 T 20060411; AU 2006237103 A 20060411; BR PI0608589 A 20060411; CN 200680012276 A 20060411; DE 102005017599 A 20050416; DE 502006005189 T 20060411; EP 06724225 A 20060411; EP 2006003297 W 20060411; ES 06724225 T 20060411; JP 2008505793 A 20060411; KR 20077022940 A 20071008; MY PI20061437 A 20060330; PL 06724225 T 20060411; RU 2007142277 A 20060411; TW 95110680 A 20060328; ZA 200707749 A 20070906