

Title (en)
CARTRIDGE AND CARTRIDGE SYSTEM

Title (de)
KARTUSCHE UND KARTUSCHENSYSTEM

Title (fr)
CARTOUCHE ET SYSTEME DE CARTOUCHE

Publication
EP 0824484 A1 19980225 (DE)

Application
EP 97907061 A 19970228

Priority
• DE 19608128 A 19960302
• DE 29622174 U 19961220
• DE 29622175 U 19961220
• EP 9701022 W 19970228

Abstract (en)
[origin: WO9731840A2] The object of the invention is a cartridge (1) which is economical to manufacture and, also, to fill, only has a small amount of plastic and, when disposed of, causes a low level of pollution. In addition, it should be possible to use said cartridge in as many ways as possible, to empty out residues therein as far as possible, and to provide a great transportation volume. To this end, a cartridge (1) for flowable media is provided which has a volume-limiting envelope (2) made of flexible material. Said cartridge is provided at one end with a plunger-shaped press-out member (4) and at a second end with an outlet member (3). There is in the region of the outlet a dispensing opening the diameter of which, taking into account the forces which can be applied by the press-out member, the viscosity of the flowable medium and the flexibility of the envelope, ensures in the volume limited by the envelope an internal pressure which is suitable to counteract folding of the envelope material into the volume.

IPC 1-7
B65D 83/00

IPC 8 full level
B05C 17/00 (2006.01); **B05C 17/005** (2006.01); **B05C 17/01** (2006.01); **B65D 47/06** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP KR US)
B05C 17/00569 (2013.01 - EP US); **B05C 17/00576** (2013.01 - EP US); **B05C 17/00586** (2013.01 - EP US); **B05C 17/01** (2013.01 - EP US); **B05C 17/0103** (2013.01 - EP US); **B65D 47/06** (2013.01 - EP US); **B65D 83/00** (2013.01 - KR); **B65D 83/0072** (2013.01 - EP US)

Citation (search report)
See references of WO 9731840A2

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9731840 A2 19970904; **WO 9731840 A3 19971127**; CA 2220030 A1 19970904; CN 1099361 C 20030122; CN 1188458 A 19980722; DE 59708110 D1 20021010; EP 0824484 A1 19980225; EP 0824484 B1 20020904; ES 2180944 T3 20030216; JP H11504600 A 19990427; KR 19990008176 A 19990125; US 6000582 A 19991214

DOCDB simple family (application)
EP 9701022 W 19970228; CA 2220030 A 19970228; CN 97190128 A 19970228; DE 59708110 T 19970228; EP 97907061 A 19970228; ES 97907061 T 19970228; JP 51996797 A 19970228; KR 19970707701 A 19971029; US 95202198 A 19980213