

Title (en)

RECLOSABLE POURING ELEMENT FOR COMPOSITE CARDBOARD/PLASTIC PACKAGING

Title (de)

WIEDERVERSCHLIESSBARES AUSGIESSELEMENT FÜR KARTON/KUNSTSTOFF-VERBUNDPACKUNGEN

Title (fr)

ÉLÉMENT DE DÉVERSEMENT REFERMABLE POUR EMBALLAGES COMPOSITES CARTON/PLASTIQUE

Publication

EP 1868903 B1 20090603 (DE)

Application

EP 07727720 A 20070403

Priority

- EP 2007053249 W 20070403
- DE 102006016113 A 20060404

Abstract (en)

[origin: DE102006016113B3] The pouring unit has a cutting unit (2) with external and internal threads, where each thread has two thread sections (6A, 6B, 7A, 7B) and an upward gradient. The gradient of the internal thread corresponds to the gradient of the external thread. The unit (2) has radially projecting cams (10) arranged on an outer side of the unit (2). The cams extend from upper edges of the unit (2) over the external thread, such that lower edges with the thread sections of the internal thread form a stop unit for the cutting unit pressed in an inner side of a frame (1) during assembling.

IPC 8 full level

B65D 5/74 (2006.01)

CPC (source: EP KR US)

B65D 5/72 (2013.01 - KR); **B65D 5/74** (2013.01 - KR); **B65D 5/748** (2013.01 - EP US); **B65D 41/32** (2013.01 - KR)

Cited by

DE102010040825A1; US10676261B2; US11718457B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR

DOCDB simple family (publication)

DE 102006016113 B3 20070823; AR 060305 A1 20080604; AT E432883 T1 20090615; AT E432884 T1 20090615; AU 2007221929 A1 20071101; AU 2007221929 A8 20090108; AU 2007236004 A1 20071018; BR PI0702839 A 20080401; BR PI0702842 A 20080401; CA 2603111 A1 20071018; CA 2605163 A1 20071018; CN 101316764 A 20081203; CN 101316765 A 20081203; DE 502007000808 D1 20090716; DE 502007000811 D1 20090716; EA 013271 B1 20100430; EA 013781 B1 20100630; EA 200702016 A1 20090428; EA 200702017 A1 20090428; EP 1863717 A1 20071212; EP 1863717 B1 20090603; EP 1868903 A1 20071226; EP 1868903 B1 20090603; ES 2327974 T3 20091105; ES 2327975 T3 20091105; KR 20080114671 A 20081231; KR 20080114672 A 20081231; MX 2007015317 A 20080211; MX 2007015318 A 20080211; PL 1863717 T3 20091130; PL 1868903 T3 20091130; TW 200824982 A 20080616; US 2008210745 A1 20080904; US 2009302037 A1 20091210; WO 2007115976 A1 20071018; WO 2007115978 A1 20071018

DOCDB simple family (application)

DE 102006016113 A 20060404; AR P070101442 A 20070404; AT 07727720 T 20070403; AT 07727724 T 20070403; AU 2007221929 A 20070403; AU 2007236004 A 20070403; BR PI0702839 A 20070403; BR PI0702842 A 20070403; CA 2603111 A 20070403; CA 2605163 A 20070403; CN 200780000381 A 20070403; CN 200780000387 A 20070403; DE 502007000808 T 20070403; DE 502007000811 T 20070403; EA 200702016 A 20070403; EA 200702017 A 20070403; EP 07727720 A 20070403; EP 07727724 A 20070403; EP 2007053249 W 20070403; EP 2007053253 W 20070403; ES 07727720 T 20070403; ES 07727724 T 20070403; KR 20087006210 A 20080313; KR 20087006211 A 20080313; MX 2007015317 A 20070403; MX 2007015318 A 20070403; PL 07727720 T 20070403; PL 07727724 T 20070403; TW 96111831 A 20070403; US 91739307 A 20070403; US 91781307 A 20070403