

Title (en)
FLIP-TOP CLOSURE FOR COMPOSITE AND CARDBOARD PACKAGING

Title (de)
KLAPPENVERSCHLUSS FÜR VERBUND- UND KARTONPACKUNGEN MIT AUTOMATISCHER ÖFFNUNG DER PACKUNG DURCH DAS AUFKLAPPEN

Title (fr)
FERMETURE A RABAT POUR EMBALLAGES COMPOSITES ET EN CARTON, A OUVERTURE AUTOMATIQUE DE L'EMBALLAGE PAR DEPLIAGE

Publication
EP 1716051 A1 20061102 (DE)

Application
EP 05700372 A 20050216

Priority
• CH 2005000089 W 20050216
• CH 2562004 A 20040218

Abstract (en)
[origin: WO2005077769A1] The invention relates to a flip-top closure for composite and cardboard packaging, which permits the automatic opening of a package by flipping open the lid of the closure. The closure consists of a frame-type base element (1), which is designed to be welded by its level underside (2) to composite or cardboard packaging (3) and a continuous peripheral overhang (4) that protrudes upwards in order to form a pouring neck with an interior opening. A cover (5) that flips open and closes is fixed to said base element (1). A tongue (7) that is pivotally mounted on the base element (1) extends over the interior expanse (6) of the overhang (4). Friction-fit elements (8) act between the tongue (7) and the cover (5) to pivot said tongue (7) downwards by force when the cover (5) is flipped open, thus tearing and pivoting away a piece of the packaging lying below said tongue.

IPC 8 full level
B65D 5/74 (2006.01)

CPC (source: EP US)
B65D 5/748 (2013.01 - EP US)

Citation (search report)
See references of WO 2005077769A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
BA HR LV MK YU

DOCDB simple family (publication)
WO 2005077769 A1 20050825; AT E406316 T1 20080915; BR PI0507750 A 20070710; BR PI0507750 B1 20170613; DE 502005005189 D1 20081009; EP 1716051 A1 20061102; EP 1716051 B1 20080827; ES 2313272 T3 20090301; PL 1716051 T3 20090130; RU 2006131623 A 20080327; RU 2369542 C2 20091010; US 2007131689 A1 20070614; US 7934616 B2 20110503

DOCDB simple family (application)
CH 2005000089 W 20050216; AT 05700372 T 20050216; BR PI0507750 A 20050216; DE 502005005189 T 20050216; EP 05700372 A 20050216; ES 05700372 T 20050216; PL 05700372 T 20050216; RU 2006131623 A 20050216; US 59800805 A 20050216