Title (en)

BEAKER MADE OF PAPER MATERIAL AND METHOD AND DEVICE FOR THE PRODUCTION THEREOF

Title (de)

BECHER AUS EINEM PAPIERMATERIAL UND VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN

Title (fr)

GOBELET EN MATÉRIAU À BASE DE PAPIER, ET PROCÉDÉ ET DISPOSITIF

Publication

EP 2238046 B1 20140521 (DE)

Application

EP 09704582 A 20090120

Priority

- EP 2009000316 W 20090120
- DE 102008005403 A 20080121

Abstract (en)

[origin: EP2080715A1] The cup (1) has a fillable internal space (5) formed by a conical sleeve (2) and a pot-shaped bottom (3). The bottom is attached with a frame (4) to the sleeve in a liquid-tight manner at a lower end of the internal space. The sleeve and/or the bottom in an area of the frame and/or the frame comprises an outwardly projecting widening (10) in an area along circumference of the frame. A lower edge (14) of the widening forms a standing surface for the cup. The frame widens with an inclination angle (beta) in a direction of the lower edge. An independent claim is also included for a method for manufacturing a cup from paper material.

IPC 8 full level

B65D 81/38 (2006.01); **B31B 17/00** (2006.01); **B31B 50/00** (2017.01); **B31B 50/59** (2017.01); **B65D 3/14** (2006.01)

CPC (source: BR EP US)

B31B 50/60 (2017.08 - BR EP US); **B65D 3/14** (2013.01 - EP US); **B65D 21/0233** (2013.01 - BR EP US); **B65D 81/3869** (2013.01 - BR EP US); B31B 50/594 (2018.05 - EP US); B31B 2105/00 (2017.08 - BR EP US); B31B 2105/002 (2017.08 - BR); B31B 2105/0022 (2017.08 - BR EP US); B31B 2110/10 (2017.08 - BR EP US); B65D 3/14 (2013.01 - BR)

Cited by

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Designated contracting state (EPC)

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 SE SI SK TR

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EP 2080715 A1 20090722; **EP 2080715 B1 20120620**; **EP 2080715 B2 20210630**; AU 2008264158 A1 20090806; AU 2008264158 B2 20141120; AU 2009207838 A1 20090730; AU 2009207838 B2 20130516; BR PI0900078 A2 20090915; BR PI0900078 B1 20191105; BR PI0907410 A2 20150721; BR PI0907410 B1 20190409; BR PI0907410 B8 20200811; CA 2706374 A1 20090730; CA 2706374 C 20151006; CN 101492107 A 20090729; CN 101492107 B 20120704; CN 101970310 A 20110209; CN 101970310 B 20141029; DE 102008005403 A1 20090723; EA 017796 B1 20130329; EA 200900031 A1 20090828; EP 2238046 A1 20101013; EP 2238046 B1 20140521; ES 2387598 T3 20120927; JP 2009173346 A 20090806; JP 5599976 B2 20141001; MX 2009000098 A 20090828; PL 2080715 T3 20121130; PL 2080715 T5 20240624; PL 2238046 T3 20141031; RU 2010133173 A 20120227; RU 2502659 C2 20131227; US 2009184020 A1 20090723; US 2011281704 A1 20111117; US 2014216972 A1 20140807; US 8727206 B2 20140520; US 9238524 B2 20160119; US 9260220 B2 20160216; WO 2009092557 A1 20090730

DOCDB simple family (application)

EP 09000695 A 20090120; AU 2008264158 A 20081223; AU 2009207838 A 20090120; BR PI0900078 A 20090121; BR PI0907410 A 20090120; CA 2706374 A 20090120; CN 200910005084 A 20090121; CN 200980102691 A 20090120; DE 102008005403 A 20080121; EA 200900031 A 20090116; EP 09704582 A 20090120; EP 2009000316 W 20090120; ES 09000695 T 20090120; JP 2009010385 A 20090120; MX 2009000098 A 20090107; PL 09000695 T 20090120; PL 09704582 T 20090120; RU 2010133173 A 20090120; US 201113135997 A 20110720; US 201414245543 A 20140404; US 32127409 A 20090120