

Title (en)
MOLDED PAPER PULP CUP COVER AND CONNECTING STRUCTURE FOR CUP COVER PLATE AND FLIP COVER

Title (de)
BECHERFÖRMIGE ABDECKUNG UND VERBINDUNGSSTRUKTUR FÜR BECHERDECKEL UND KLAPPDECKEL

Title (fr)
COUVERCLE DE Gobelet en pâte à papier moulée et structure de raccordement pour plaque de couvercle de Gobelet et couvercle rabattable

Publication
EP 4036029 A4 20231122 (EN)

Application
EP 20867375 A 20200925

Priority
• CN 201921611046 U 20190925
• CN 2020117721 W 20200925

Abstract (en)
[origin: EP4036029A1] A connecting structure for a molded paper pulp cup cover plate and a lifting cover, comprising a cup cover plate (10). A tearable turnover flip cover (20) which is integrally formed with the cup cover plate is arranged on the cup cover plate (10), and a drinking hole (30) is formed in the cup cover plate (10) after the tearable turnover flip cover (20) is overturned relative to the cup cover plate (10); the rear side of the tearable turnover flip cover (20) is connected to the hole wall of the drinking hole (30) by means of at least one turnover stress connection point (40); the circumferential side edge of the tearable turnover flip cover (20) is connected to the drinking hole (30) by means of a tearing line; the drinking hole (30) is a conical drinking hole of which the inner diameter gradually reduces from top to bottom; the tearing line comprises an U-shaped section (10a) away from the side of the turnover stress connecting point (40) and arc-shaped sections (10b) located at the two ends of the U-shaped section (10a); tearable connecting points (50) are formed between the U-shaped section (10a) and the arc-shaped sections (10b), and the two tearable connecting points are symmetrically distributed with respect to the axis line of the drinking hole; a vertical distance 1 (L1) from the tearable connecting points (50) to the bottom of the U-shaped section (10a) is greater than a vertical distance 2 (L2) from the tearable connecting points (50) to the turnover stress connecting points (40).

IPC 8 full level
B65D 47/08 (2006.01); **A47G 19/22** (2006.01); **B65D 51/24** (2006.01)

CPC (source: EP KR US)
A47G 19/22 (2013.01 - KR); **B65D 43/0204** (2013.01 - KR); **B65D 43/0212** (2013.01 - EP); **B65D 47/0833** (2013.01 - KR US); **B65D 47/0847** (2013.01 - EP); **B65D 47/10** (2013.01 - US); **B65D 51/24** (2013.01 - KR); **B65D 2543/00046** (2013.01 - EP); **B65D 2543/00092** (2013.01 - EP); **B65D 2543/00268** (2013.01 - EP); **B65D 2543/00351** (2013.01 - EP); **B65D 2543/00629** (2013.01 - EP); **B65D 2543/00685** (2013.01 - EP); **B65D 2543/0074** (2013.01 - EP); **B65D 2543/00796** (2013.01 - EP); **B65D 2547/06** (2013.01 - US)

Citation (search report)
• [XY] US 5839601 A 19981124 - VAN MELLE HUGH [CA]
• [Y] US 2014048552 A1 20140220 - WANG GAOYUAN [CN], et al
• See references of WO 2021057898A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4036029 A1 20220803; EP 4036029 A4 20231122; AU 2020355846 A1 20220414; CA 3152061 A1 20210401; CN 210972199 U 20200710; JP 2022550076 A 20221130; KR 20220069069 A 20220526; MX 2022003621 A 20220407; US 2022332476 A1 20221020; WO 2021057898 A1 20210401

DOCDB simple family (application)
EP 20867375 A 20200925; AU 2020355846 A 20200925; CA 3152061 A 20200925; CN 201921611046 U 20190925; CN 2020117721 W 20200925; JP 2022519189 A 20200925; KR 20227013609 A 20200925; MX 2022003621 A 20200925; US 202017762428 A 20200925