

Title (en)

Device for deforming the outer wall of stackable paper cups.

Title (de)

Vorrichtung zur Verformung der umlaufenden Wand von stapelbaren Pappbechern

Title (fr)

Dispositif de déformation de la paroi périphérique de gobelets carton empilables

Publication

EP 2522598 B1 20140416 (FR)

Application

EP 11360018 A 20110513

Priority

EP 11360018 A 20110513

Abstract (en)

[origin: EP2522598A1] The device has an immobilizing unit for axial and radial immobilization of a paper cup (2), and provided with a fixed support (3). A widening unit exerts pressure on a lower portion of a peripheral wall (9) of the cup. The widening unit is actuated by displacement of a movable element (1) e.g. pillar, in translation along a translation axis (X) of the cup. The widening unit is inserted within a cavity of a base (19) of the cup. The widening unit provided with a cylindrical mandrel (28) oriented toward the base of the cup. An independent claim is also included for a method for deforming an outer wall of stackable paper cups.

IPC 8 full level

B65D 85/816 (2006.01); **B31B 1/74** (2006.01); **B31B 17/00** (2006.01); **B31F 1/07** (2006.01)

CPC (source: EP US)

B31F 1/0038 (2013.01 - EP); **B65D 85/816** (2013.01 - EP US); **B31B 50/003** (2017.07 - EP); **B31B 50/25** (2017.07 - EP); **B31B 50/28** (2017.07 - EP); **B31B 50/81** (2017.07 - EP); **B31B 2105/00** (2017.07 - EP); **B31B 2105/0022** (2017.07 - EP US); **B31B 2120/002** (2017.07 - EP US)

Cited by

EP3922570A1; FR3111336A1; CN105142893A; US10293567B2; WO2018068869A1; EP2796282B1; EP2796282B2; EP2796282A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2522598 A1 20121114; **EP 2522598 B1 20140416**; DK 2522598 T3 20140721; ES 2481820 T3 20140731

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