

Title (en)
SNAP-FITTING STRUCTURE OF PAPER AND PLASTIC CONTAINER

Title (de)
EINRASTSTRUKTUR AUS PAPIER UND KUNSTSTOFFBEHÄLTER

Title (fr)
STRUCTURE D'ENCLIQUETAGE DE RÉCIPIENT EN PAPIER ET PLASTIQUE

Publication
EP 3875392 A1 20210908 (EN)

Application
EP 19878733 A 20191028

Priority
• CN 201821765785 U 20181029
• CN 2019113704 W 20191028

Abstract (en)
Disclosed is a snap-fitting structure of a paper and plastic container, the paper and plastic container comprising a container (10) and a cover body (20), the container (10) comprising a body (11) and a clamping portion (12), the clamping portion (12) comprising a connecting portion (121) and a clamp ring (122), wherein in a cross section along a central axis of the body (11), the included angle between the contour line of the connecting portion (121) and the central axis of the body (11) is an acute angle, the contour line of the clamp ring (122) is parallel to the central axis of the body (11), the cover body (20) comprises a cover bottom (21), a cover wall (22) and a flange (23), the outer diameter of the clamp ring (122) is equivalent to the inner diameter of the cover wall (22), the flange (23) and the cover bottom (21) are arranged at an interval, and the clamp ring (122) is clamped between the flange (23) and the cover bottom (21) when the cover body (20) covers the container (10). According to the snap-fitting structure of the paper and plastic container, when the clamp ring (122) is beyond the flange (23), the clamp ring (122) restores to the original state or is still in a deformed state to abut against the cover wall (22), and is clamped between the cover bottom (21) and the flange (23), such that the container (10) and the cover body (20) are fitted in a covering manner and are not disengaged without an external force.

IPC 8 full level
B65D 43/02 (2006.01)

CPC (source: EP KR US)
B65D 1/34 (2013.01 - EP); **B65D 43/0204** (2013.01 - KR); **B65D 43/0212** (2013.01 - EP US); **B65D 43/08** (2013.01 - KR); **B65D 2543/00092** (2013.01 - EP US); **B65D 2543/00268** (2013.01 - EP KR US); **B65D 2543/00296** (2013.01 - EP KR US); **B65D 2543/00527** (2013.01 - EP); **B65D 2543/00537** (2013.01 - EP US); **B65D 2543/00648** (2013.01 - EP KR US); **B65D 2543/00685** (2013.01 - EP US); **B65D 2543/0074** (2013.01 - EP); **B65D 2543/00796** (2013.01 - EP)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3875392 A1 20210908; **EP 3875392 A4 20220803**; AU 2019373715 A1 20210520; CA 3118008 A1 20200507; CN 209427328 U 20190924; JP 2022506324 A 20220117; JP 3246016 U 20240313; KR 20210092752 A 20210726; MX 2021004666 A 20210623; US 2021387773 A1 20211216; WO 2020088409 A1 20200507

DOCDB simple family (application)
EP 19878733 A 20191028; AU 2019373715 A 20191028; CA 3118008 A 20191028; CN 201821765785 U 20181029; CN 2019113704 W 20191028; JP 2021523636 A 20191028; JP 2024000001 U 20240104; KR 20217016344 A 20191028; MX 2021004666 A 20191028; US 201917289506 A 20191028