

Title (en)
BOTTLE HAVING ONE OR MORE INTERNAL PROJECTIONS

Title (de)
FLASCHE MIT EINEM ODER MEHREREN INTERNEN VORSPRÜNGEN

Title (fr)
BOUTEILLE COMPRENANT UNE OU PLUSIEURS SAILLIES INTERNES

Publication
EP 3152116 A1 20170412 (EN)

Application
EP 15727247 A 20150527

Priority

- US 201414297791 A 20140606
- US 2015032559 W 20150527

Abstract (en)
[origin: WO2016089444A1] A bottle (20, 120, 220, 320, 3620, 3920, 4020, 4120, 4220) comprising a neck (28, 128, 228, 328, 828, 928, 1028, 1128, 1228, 1228, 1428, 1528, 1628, 1728, 1828, 1928, 2020, 2128, 2228, 2328, 2428, 2528, 2628, 2728, 2828, 2928, 3028, 3128, 3228, 3328, 3628, 3928, 4028, 4128, 4228) that includes a longitudinal axis extending therethrough, a neck finish (32, 132, 232, 332, 3632, 3932, 4032, 4132, 4232), and a radially- facing interior surface (29, 3629, 3929, 4029, 4129, 4229). The neck also includes one or more internal projections (46, 146, 246, 346, 846, 946, 1046, 1140, 1246, 1341, 1541, 1640, 1742, 1842, 1946, 2046, 2146, 2341, 2446, 2540, 2646, 2740, 2840, 2941, 3041, 3140, 3246, 3646, 3946, 4046, 4146, 4246) projecting in a radially-inwardly direction from said interior surface and axially overlapping at least a portion of said neck finish.

IPC 8 full level
B65D 1/02 (2006.01)

CPC (source: CN EP)
B65D 1/023 (2013.01 - CN EP); **B65D 2501/0045** (2013.01 - CN EP)

Citation (search report)
See references of WO 2016089444A1

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)
WO 2016089444 A1 20160609; AR 100750 A1 20161026; AU 2015355557 A1 20161208; AU 2015355557 B2 20190314; CA 2951257 A1 20160609; CL 2016003105 A1 20170505; CN 106458353 A 20170222; CN 106458353 B 20190528; CO 2017000043 A2 20170113; EP 3152116 A1 20170412; MX 2016015345 A 20170413; MY 178023 A 20200929; PE 20170078 A1 20170309; TW 201609490 A 20160316; ZA 201608012 B 20200527

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US 2015032559 W 20150527; AR P150101794 A 20150605; AU 2015355557 A 20150527; CA 2951257 A 20150527; CL 2016003105 A 20161202; CN 201580030192 A 20150527; CO 2017000043 A 20170104; EP 15727247 A 20150527; MX 2016015345 A 20150527; MY PI2016704230 A 20150527; PE 2016002518 A 20150527; TW 104117585 A 20150601; ZA 201608012 A 20161118