

Title (en)

CONTAINER, AND SELECTIVELY FORMED SHELL, AND TOOLING AND ASSOCIATED METHOD FOR PROVIDING SAME

Title (de)

BEHÄLTER UND SELEKTIV GEFORMTE HÜLLE SOWIE WERKZEUG UND VERFAHREN ZUR BEREITSTELLUNG DAVON

Title (fr)

RÉCIPIENT ET COQUE MISE EN FORME SÉLECTIVEMENT ET OUTILLAGE ET PROCÉDÉ ASSOCIÉ POUR LES RÉALISER

Publication

**EP 3302845 A4 20190123 (EN)**

Application

**EP 16800444 A 20160407**

Priority

- US 201514722187 A 20150527
- US 2016026312 W 20160407

Abstract (en)

[origin: WO2016190969A1] A shell, a container employing the shell, and tooling and associated methods for forming the shell are provided. The shell includes a center panel, a circumferential chuck wall, an annular countersink between the center panel and the circumferential chuck wall, and a curl extending radially outwardly from the chuck wall. The material of at least one predetermined portion of the shell is selectively stretched relative to at least one other portion of the shell, thereby providing a corresponding thinned portion. The tooling includes a pressure concentrating forming surface.

IPC 8 full level

**B21D 22/21** (2006.01); **B21D 22/24** (2006.01); **B21D 51/44** (2006.01)

CPC (source: EP)

**B21D 22/24** (2013.01); **B21D 51/44** (2013.01)

Citation (search report)

- [X] EP 0153115 A2 19850828 - METAL BOX PLC [GB]
- [X] US 2015050104 A1 20150219 - TURNER STEPHEN B [US]
- See references of WO 2016190969A1

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)

**WO 2016190969 A1 20161201**; BR 112017025267 A2 20180807; BR 112017025267 B1 20210601; CN 107614140 A 20180119; CN 107614140 B 20200414; CN 109746301 A 20190514; CN 109746301 B 20210504; EP 3302845 A1 20180411; EP 3302845 A4 20190123; JP 2018520877 A 20180802; JP 6998216 B2 20220204

DOCDB simple family (application)

**US 2016026312 W 20160407**; BR 112017025267 A 20160407; CN 201680030515 A 20160407; CN 201910094857 A 20160407; EP 16800444 A 20160407; JP 2017561255 A 20160407