Title (en)

PROCESS TO MANUFACTURE LARGE FORMAT ALUMINUM BOTTLES AND ALUMINIUM BOTTLE MANUFACTURED THEREBY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GROSSFORMATIGEN ALUMINIUMFLASCHEN UND SO HERGESTELLTE ALUMINIUMFLASCHE

Title (fr)

PROCÉDÉ DE FABRICATION DE BOUTEILLES EN ALUMINIUM GRAND FORMAT ET BOUTEILLE EN ALUMINIUM AINSI FABRIQUÉE

Publication

EP 3319745 A1 20180516 (EN)

Application

EP 16738586 A 20160623

Priority

- US 201562188767 P 20150706
- US 2016039017 W 20160623

Abstract (en)

[origin: WO2017007610A1] A high speed manufacturing process for large format aluminum bottles (up to 750 ml) based on the DWI process that uses 3xxx can body stock with high recycled content. The process can include forming a bottle preform by redrawing, drawing and ironing, and doming a cup. The bottle preform formed by the process has a diameter of about 2.5" to about 3.0", a height of about 10.0" to about 12.5", a wall thickness of about 0.006" to about 0.020", and a dome depth of between about 0.400" to about 1.00".

IPC 8 full level

B21D 51/24 (2006.01); **B21D 22/24** (2006.01); **B21D 51/26** (2006.01)

CPC (source: EP KR US)

B21D 22/24 (2013.01 - EP KR US); **B21D 22/28** (2013.01 - EP KR US); **B21D 51/24** (2013.01 - EP KR US); **B21D 51/26** (2013.01 - EP KR US); **B21D 51/2638** (2013.01 - EP); **B65D 1/0207** (2013.01 - KR US); **B65D 1/0246** (2013.01 - KR US); **B65D 1/0276** (2013.01 - KR US); **C22F 1/04** (2013.01 - EP US); **C22F 1/047** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2017007610A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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US 2016039017 W 20160623; BR 112017027678 A 20160623; EP 16738586 A 20160623; JP 2017566779 A 20160623; KR 20187003179 A 20160623; US 201615190929 A 20160623