

Title (en)

METHOD FOR MANUFACTURING BRILLIANT METAL SEALING CAPS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GLÄNZENDEN METALLVERSCHLUSSKAPPEN

Title (fr)

PROCÉDÉ DE FABRICATION DE CAPSULES DE BOUCHAGE MÉTALLIQUES BRILLANTES

Publication

EP 3071347 B1 20190605 (FR)

Application

EP 14806690 A 20141114

Priority

- FR 1302659 A 20131119
- FR 2014000243 W 20141114

Abstract (en)

[origin: WO2015075324A1] The invention relates to a method which includes: a) providing a strip or sheet of aluminium of the grade known to a person skilled in the art as "brilliant" or "grand brilliant", said strip or sheet typically being coated on at least one of the two surfaces thereof, generally the surface intended for the inside of the cap, with a layer of stamping varnish; b) a first operation of cutting same into discs referred to as blanks; c) a step of stamping said blank metal, in one or more passes, typically using a stamping lubricant, such as to form a stamped preform, including a head and a skirt, typically axisymmetrical in an axial direction; d) a step of degreasing said stamped preform, typically intended for removing the leftover lubricant, such as to form a degreased preform which is capable of being lacquered; and e) an optional step of applying a protective and decorative varnish, said method being characterised in that it includes, after the stamping step, and before the lacquering step, at least one stretching step which consists of passing the stamped preform through stretching rings in order to elongate and thin out the metal. The invention also relates to a sealing cap thus produced. The invention has the advantage that the brilliant appearance is preserved evenly on the outer surface of the cap, head and skirt.

IPC 8 full level

B21D 22/20 (2006.01); **B21D 51/26** (2006.01); **B21D 51/44** (2006.01)

CPC (source: EP RU US)

B21D 22/20 (2013.01 - RU); **B21D 22/201** (2013.01 - EP US); **B21D 28/00** (2013.01 - US); **B21D 51/26** (2013.01 - EP US); **B21D 51/44** (2013.01 - EP US); **B65D 41/04** (2013.01 - EP US)

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)

FR 3013244 A1 20150522; **FR 3013244 B1 20151120**; AR 098430 A1 20160526; CN 105745035 A 20160706; CN 105745035 B 20180223; EP 3071347 A1 20160928; EP 3071347 B1 20190605; JP 2017512135 A 20170518; JP 6532873 B2 20190619; RU 2016123931 A 20171225; RU 2679670 C1 20190212; US 10618097 B2 20200414; US 2016288195 A1 20161006; WO 2015075324 A1 20150528

DOCDB simple family (application)

FR 1302659 A 20131119; AR P140104295 A 20141114; CN 201480063355 A 20141114; EP 14806690 A 20141114; FR 2014000243 W 20141114; JP 2016532570 A 20141114; RU 2016123931 A 20141114; US 201415036556 A 20141114