

Title (en)

Tool and method for producing can bodies

Title (de)

Werkzeug und Verfahren zur Herstellung von Dosenkörpern

Title (fr)

Outil et procédé destinés à la fabrication de corps de boîtes

Publication

EP 2353745 A3 20140514 (DE)

Application

EP 11150226 A 20110105

Priority

DE 102010000094 A 20100115

Abstract (en)

[origin: US2011174045A1] For the manufacture of can bodies as they are needed for the manufacture of aerosol cans or beverage cans, a special tool 2 is provided which combines the manufacture of the cup as well as the transformation of the cup into a can body into a single tool 3. The process is based on preferably round metal sheets which are first drawn in a first draw-stretching step of the tool 2 into cups and then are draw-stretched in a second draw-stretch process, the further draw- and slide-down-stretch to form can bodies. The drawing arrangements are the same in both operating steps. The tools required therefore are simple sturdy tools providing for a simple sturdy manufacturing process.

IPC 8 full level

B21D 22/22 (2006.01); **B21D 22/28** (2006.01); **B21D 51/26** (2006.01)

CPC (source: EP US)

B21D 22/22 (2013.01 - EP US); **B21D 22/28** (2013.01 - EP US); **B21D 51/26** (2013.01 - EP US)

Citation (search report)

- [X] US 4095544 A 19780620 - PETERS GORDON L, et al
- [X] DE 2353209 A1 19741107 - CONTINENTAL CAN CO
- [X] JP 2002113528 A 20020416 - TOYOTA MOTOR CORP

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)

US 2011174045 A1 20110721; **US 9016101 B2 20150428**; DE 102010000094 A1 20110721; DE 102010000094 B4 20121213; EP 2353745 A2 20110810; EP 2353745 A3 20140514; EP 2353745 B1 20160420; JP 2011143472 A 20110728; JP 5728236 B2 20150603

DOCDB simple family (application)

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