

Title (en)

Method of shaping metal closures or can bodies

Title (de)

Verfahren zum Formen von metallischen Verschlüssen oder Dosenkörpern

Title (fr)

Méthode de mise en forme des capsules métalliques ou des corps de boîtier

Publication

**EP 1681110 A1 20060719 (EN)**

Application

**EP 05100255 A 20050117**

Priority

EP 05100255 A 20050117

Abstract (en)

A method of shaping an open end of a metal tube into a flared shape so that the diameter of the tube increases gradually from a point axially displaced from the open end of the tube towards the open end of the tube, the method comprising the steps of using a flanging tool to increase the diameter of the open end of the tube, and the next step of using subsequent forming tool(s) to increase the diameter of the tube at points immediately axially behind the open end of the tube such that the diameter of the open end of the tube remains unchanged from that created in the first step.

IPC 8 full level

**B21D 41/02** (2006.01); **B21D 51/26** (2006.01)

CPC (source: EP)

**B21D 41/02** (2013.01); **B21D 51/26** (2013.01)

Citation (search report)

- [X] WO 9932242 A1 19990701 - CROWN CORK & SEAL TECH CORP [US], et al
- [A] WO 03004190 A1 20030116 - MAGNA STRUCTURAL SYSTEMS INC [CA], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 240 (M - 336) 6 November 1984 (1984-11-06)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1681110 A1 20060719**; AT E431205 T1 20090515; DE 602006006793 D1 20090625; EP 1838472 A1 20071003; EP 1838472 B1 20090513; ES 2327060 T3 20091023; HK 1113103 A1 20080926; MY 140608 A 20091231; PL 1838472 T3 20091030; TW 200631690 A 20060916; TW I290863 B 20071211; WO 2006075132 A1 20060720

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**EP 05100255 A 20050117**; AT 06700148 T 20060104; DE 602006006793 T 20060104; EP 06700148 A 20060104; ES 06700148 T 20060104; GB 2006000012 W 20060104; HK 08103368 A 20080326; MY PI20060086 A 20060109; PL 06700148 T 20060104; TW 95100910 A 20060110