

Title (en)
CAN BODY AND METHOD AND APPARATUS FOR THE PRODUCTION THEREOF

Title (de)
DOSENKÖRPER UND VERFAHREN SOWIE VORRICHTUNG ZUM HERSTELLEN DESSELBEN

Title (fr)
CORPS DE BOÎTE ET PROCÉDÉ ET DISPOSITIF POUR SA FABRICATION

Publication
EP 2303719 A1 20110406 (DE)

Application
EP 09768690 A 20090623

Priority
• CH 2009000215 W 20090623
• CH 2008000287 W 20080625

Abstract (en)
[origin: WO2009155721A1] On a can body (1), comprising a can casing (3), which is closed around the can axis and comprises a metal layer, and a closure part (13, 33, 56), which comprises a metal layer, a laser connection is produced between the metal layers of the can casing (3) and the closure part (13, 33, 56) in an overlapping region of the closure part (13, 33, 56) and the can casing (3). The laser connection comprises a plurality of perforations along the connecting line, or a plurality of narrowly delimited regions, in which the two metal layers are melted together. A plastic material (3b, 7a, 13d, 15, 54, 58) is arranged on the laser connection. The laser connection ensures stability, and the plastic material (3b, 7a, 13d, 15, 54, 58) ensures leak tightness, of the connection between the can casing (3) and closure part (13, 33, 56).

IPC 8 full level
B65D 83/14 (2006.01); **B21D 51/26** (2006.01); **B23K 26/08** (2006.01); **B23K 26/22** (2006.01); **B23K 26/32** (2006.01)

CPC (source: EP)
B21D 51/2653 (2013.01); **B23K 26/22** (2013.01); **B65D 17/12** (2013.01); **B65D 83/38** (2013.01); **B23K 2101/125** (2018.07)

Citation (search report)
See references of WO 2009155721A1

Citation (examination)
• US 5249701 A 19931005 - DAEHN RALPH C [US]
• WO 2009015498 A1 20090205 - CREBOCAN AG [CH], et al

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009155721 A1 20091230; BR PI0915410 A2 20161101; EP 2303719 A1 20110406; JP 2011525458 A 20110922

DOCDB simple family (application)
CH 2009000215 W 20090623; BR PI0915410 A 20090623; EP 09768690 A 20090623; JP 2011515047 A 20090623