

Title (en)

Method for manufacturing an annular part of metal sheet for a can lid

Title (de)

Verfahren zum Herstellen eines Ringteils aus Blech für einen Dosendeckel

Title (fr)

Procédé de fabrication d'un anneau en tôle pour un couvercle de boîte

Publication

EP 1153840 B1 20020911 (DE)

Application

EP 01105859 A 20010309

Priority

DE 10022553 A 20000510

Abstract (en)

[origin: US2001041115A1] For the manufacture of a ring part out of a flat sheet-metal part to form a lid for a lid of a can. A hot-sealable coating is provided on one side of the sheet-metal part which is then shaped into a cylindrical tube with the coating being on the inside. The axially extending edges of the tube are joined together to form a butt-joint and the inside surface thereof pressed against a cooling plate. A butt-joint welding seam is then created by means of a laser jet. The tube is separated into equal length tube sections and each is conically enlarged at one end. The other end of each tube section is bent radially inwardly to form a bearing surface for a tear-off foil. By flanging the conically enlarged end, an annular flange is created to receive a body of a can.

IPC 1-7

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CPC (source: EP US)

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Cited by

EP1747826A1; EP1777165A1; EP3760333A1; WO2018191828A1; WO2015164986A1; US7506529B2; EP1439014A1; US7334977B2; WO2021009119A1; WO2004062830A1; WO2006053457A3; WO2007045385A1; US9617056B2; US10017313B2; WO2021074110A1; US10494139B2; US11142369B2

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