

Title (en)

Device for forming a constriction on the open end zone of a metal can.

Title (de)

Vorrichtung zum Formen einer Einschnürung an der offener Seite einer metallenen Dosenkörper.

Title (fr)

Appareil pour former un rétrécissement à l'extrémité ouverte d'une boîte métallique.

Publication

**EP 0507380 A1 19921007 (EN)**

Application

**EP 92200838 A 19920323**

Priority

- NL 9100574 A 19910403
- NL 9101493 A 19910904

Abstract (en)

A device for forming a constriction on the open end zone of a metal can with a cylindrical body, comprising: (1) a support member for supporting the bottom of a can and for pushing displacement thereof in axial direction; (2) an annular anvil placed coaxially of this support member, on the side of which facing the support member an internal modelling surface is present which in the direction away from the support member has a form adapted to the desired shape of the constriction; and (3) a freely-rotating roller having a form adapted to the shape of the modelling surface, which roller can press the end zone of a positioned can forcefully against the modelling surface, which roller is carried by a support member which is driven by drive means in a circular path concentric to the annular modelling surface, wherein the axis of rotation of the freely-rotating roller extends at least approximately in the said axial direction. <IMAGE>

IPC 1-7

**B21D 51/26**

IPC 8 full level

**B21D 19/04** (2006.01); **B21D 51/26** (2006.01); **B21D 51/32** (2006.01); **F16B 3/00** (2006.01)

CPC (source: EP)

**B21D 51/2615** (2013.01); **B21D 51/2638** (2013.01)

Citation (search report)

- [X] US 3898828 A 19750812 - CASSAI EUGENE, et al
- [X] US 4450700 A 19840529 - ROBERTSON JR FIELD I [US], et al
- [X] US 1842447 A 19320126 - DISTER FRED P
- [A] FR 2440789 A1 19800606 - SCHULER GMBH L [DE]
- [A] US 3754424 A 19730828 - COSTANZO S

Cited by

US5813267A; EP1214991A3; AU761372B2; CN110871226A; WO9731730A1; WO0012242A1; US7395685B2; US7398665B2; US8245556B2; US8627698B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0507380 A1 19921007**; **EP 0507380 B1 19951018**; AT E129172 T1 19951115; AU 1399692 A 19921008; AU 644728 B2 19931216; CA 2063863 A1 19921004; CS 101892 A3 19921014; CZ 282918 B6 19971112; DE 69205473 D1 19951123; DE 69205473 T2 19960314; DK 0507380 T3 19951127; ES 2089361 T3 19961001; GR 3018589 T3 19960430; JP H0687045 A 19940329; PL 168821 B1 19960430; PL 294070 A1 19930308; RU 2107198 C1 19980320; SK 279427 B6 19981104

DOCDB simple family (application)

**EP 92200838 A 19920323**; AT 92200838 T 19920323; AU 1399692 A 19920402; CA 2063863 A 19920324; CS 101892 A 19920403; DE 69205473 T 19920323; DK 92200838 T 19920323; ES 92200838 T 19920323; GR 960400006 T 19960103; JP 8069192 A 19920402; PL 29407092 A 19920401; SK 101892 A 19920403; SU 5011335 A 19920402