

Title (en)

BILLET CONTAINER WITH A FLATTENED CHAMBER FOR EXTRUSION PRESSES AND METHOD OF ITS MANUFACTURE

Publication

EP 0481951 A3 19920429 (DE)

Application

EP 91890205 A 19910912

Priority

AT 206090 A 19901012

Abstract (en)

[origin: EP0481951A2] The invention relates to a billet container with a flattened chamber for extrusion presses, the said container being formed by a plurality of parts (2) and having an opening bounded by fillets, and to a method for manufacturing the said container. According to the invention, the internal sleeve (3) or the filleting parts (43) undergo mechanical or thermal treatment over their length, during which treatment a plastic deformation, at least in part, of the material is carried out below the tempering temperature and elevated compressive stresses are formed in the superficial zone of the internal sleeve (3), at least in the region of the fillets.

IPC 1-7

B21C 27/00

IPC 8 full level

B21C 25/02 (2006.01); **B21C 25/10** (2006.01); **B21C 27/00** (2006.01)

CPC (source: EP)

B21C 27/00 (2013.01)

Citation (search report)

- [X] US 3892114 A 19750701 - TANIGUCHI HIROYOSHI, et al
- [X] GB 783863 A 19571002 - LOEWY ENG CO LTD
- [A] DE 3512574 A1 19861016 - HASENCLEVER MASCHF SMS [DE]
- [A] US 3089591 A 19630514 - HANS GROOS HORST
- [AD] DE 2417815 A1 19751030 - ALUMINIUM WALZWERKE SINGEN
- [X] PATENT ABSTRACTS OF JAPAN vol. 9, no. 231 (M-414)(1954) 18. September 1985 & JP-A-60 087 918 (HITACHI KINZOKU K.K.) 17. Mai 1985

Cited by

US9975160B2; US2016114367A1; EP0678349A1; US10434553B2; US2013074568A1; WO2013037042A1; WO2010145087A1

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

EP 0481951 A2 19920422; EP 0481951 A3 19920429; AT 395687 B 19930225; AT A206090 A 19920715; JP H04274820 A 19920930

DOCDB simple family (application)

EP 91890205 A 19910912; AT 206090 A 19901012; JP 32358991 A 19911004