

Title (en)

Extrusion billet or block and method for heating an extrusion billet or block in a pusher furnace

Title (de)

Pressbolzen oder Pressblock und Verfahren zum Erwärmen eines Pressbolzens oder Pressblocks in einem Stossofen

Title (fr)

Billette ou bloc de presse et procédé de chauffage d'une billette ou bloc de presse dans un four poussant

Publication

EP 1905521 A1 20080402 (DE)

Application

EP 07018272 A 20070918

Priority

DE 102006045234 A 20060926

Abstract (en)

Either or both end faces (2) of the e.g. copper billet (1) have three-dimensional topography. The essentially plane faces include local elevations. One or more centrally-arranged pegs (3), platelets or domed projections, form local elevations. They are distributed over the end face(s) and are made of the same material as the billet. They are attached by welding. Pegs are held in bores by e.g. riveting them in. At the outer circumference of the billet, there are indentations, which also cause raised projections. In an alternative design, there is an annular bulge at the outer circumference of the end face. The billets are heated in a pusher-type continuous furnace, where the end faces exert pressure against each other. The projections prevent inseparable mechanical bonding of the heated billets. An independent claim IS INCLUDED FOR a method of heating extrusion billets in a pusher-type continuous furnace.

Abstract (de)

Die Erfindung betrifft einen Pressbolzen bzw. einen Pressblock (1) mit zwei Stirnseiten (2), wobei die Oberfläche zumindest einer Stirnseite (2) eine dreidimensionale Topographie aufweist, die aus einer im Wesentlichen ebenen Stirnseitenfläche besteht, aus der lokal Erhebungen hervortreten.

IPC 8 full level

B21C 23/01 (2006.01)

CPC (source: EP US)

B21C 23/01 (2013.01 - EP US); **B21C 29/00** (2013.01 - EP US); **B21C 33/00** (2013.01 - EP US); **B21C 33/006** (2013.01 - EP US); **Y10T 428/12229** (2015.01 - EP US); **Y10T 428/12264** (2015.01 - EP US); **Y10T 428/12271** (2015.01 - EP US); **Y10T 428/12292** (2015.01 - EP US)

Citation (applicant)

- JP H03198911 A 19910830
- JP S58217633 A 19831217 - NIPPON STEEL CORP

Citation (search report)

- [X] JP H03198911 A 19910830
- [X] JP S58217633 A 19831217 - NIPPON STEEL CORP
- [X] US 3805574 A 19740423 - WESSEL O
- [X] JP S5867819 A 19830422 - SUMITOMO METAL IND
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- [X] US 1599572 A 19260914 - LUSHER ALBERT C
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- [X] GB 625919 A 19490706 - THOMAS JEROME MASSE
- [A] JP S5722814 A 19820205 - FUJI SASH KOGYO KK

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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1905521 A1 20080402; DE 102006045234 B3 20080306; US 2008075969 A1 20080327; US 8298681 B2 20121030

DOCDB simple family (application)

EP 07018272 A 20070918; DE 102006045234 A 20060926; US 82574907 A 20070709