

Title (en)
Burr remover device and cutting tool for continuous casting installations

Title (de)
Entbarereinrichtung und -werkzeuge für Stahlstranggiessanlagen

Title (fr)
Dispositif et outil coupant d'égavurage pour les installations de coulée continue

Publication
EP 0838287 A1 19980429 (DE)

Application
EP 96117216 A 19961026

Priority
EP 96117216 A 19961026

Abstract (en)
The continuous steel casting installation with a deburring unit for removal of flame-cutting burrs (1) from strips (2) is improved by (a) a vertically movable, tubular body (3) houses a piston (4) which is operated by compressed air containing a lubricant, and serves for pressing a deburring tool (5) against the strip; (b) the tool is designed as an easily changeable deburring cap or deburring chisel (7), and is provided with back and front cutting elements (8); (c) the sides (10) of the tool protect the piston (4) against chips; (d) the shape of the tool in the region of the cutting elements is rounded and slightly inclined in the working direction, or it is a combination of round, inclined and straight sections; and (e) the tool is cooled and lubricated by exhaust compressed air.

Abstract (de)
Zum Entbarten von heißen und kalten Brammen (2), die waagerecht und senkrecht an senkrecht und waagerecht gegossenen Strängen autogentechnisch abgetrennt wurden, werden an mit Preßluft angedrückten Entbarterkolben (4) Entbartwerkzeuge (15) als Bartkappen (6) und Bartmeißel (7) eingesetzt, die den Besonderheiten der jeweiligen Bärte entsprechen und die die Entbarterkolben (4) gegen Berührung mit Bartteilen schützen. Die Entbarterkolben (4) werden dazu selbsttätig gekühlt und geschmiert. <IMAGE>

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IPC 8 full level
B22D 11/126 (2006.01); **B22D 31/00** (2006.01)

CPC (source: EP US)
B22D 11/1265 (2013.01 - EP US); **Y10T 29/4528** (2015.01 - EP US); **Y10T 29/5182** (2015.01 - EP US); **Y10T 409/501968** (2015.01 - EP US); **Y10T 409/502132** (2015.01 - EP US)

Citation (search report)

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- [A] DE 893605 C 19531019 - PEGARD MARCEL
- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 197 (M - 239)<1342> 27 August 1983 (1983-08-27)

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