

Title (en)  
Continuous casting installation for steel with attached or downstream deburringsystem for oxygen-cutting-burrs or cutting pearls at strands, slabs or ingots

Title (de)  
Stahlstranggiessanlage mit angeschlossenem oder nachgeschaltetem Entbartungssystem für Sauerstoffschneidbärte und Schneidperlen an Strängen, Brammen und Blöcken

Title (fr)  
Installation de coulée continue d'acier contenant un système d'abavurage pour boutrelets engendrés pendant le découpage à l'oxygène de brames et lingots

Publication  
**EP 0671230 B1 19990113 (DE)**

Application  
**EP 94103765 A 19940311**

Priority  
EP 94103765 A 19940311

Abstract (en)  
[origin: EP0671230A1] The system for removal of oxygen cutting beards (2) and pearls (22) from workpieces (1) is characterised by the presence of individually operable pistons in a block (19) of piston housings arranged transversely to the direction of the workpiece transport motion. These pistons are provided with exchangeable shear rings inclined at an angle from 0.2 to 2 degrees to the workpiece surface. The protrusions (beards, pearls) are removed by relative motion between the workpiece and the removal mechanism (23). The upper array (21) of pistons serves as a holding-down device. In this case it is equipped with rollers, sliders or similar elements, or the shear rings are provided with caps.

IPC 1-7  
**B22D 11/12**; **B22D 19/00**; **B08B 7/02**

IPC 8 full level  
**B23D 79/00** (2006.01); **B22D 11/126** (2006.01); **B22D 31/00** (2006.01)

CPC (source: EP US)  
**B22D 11/1265** (2013.01 - EP US); **Y10T 409/50164** (2015.01 - EP US); **Y10T 409/50246** (2015.01 - EP US); **Y10T 409/509348** (2015.01 - EP US)

Cited by  
EP1172159A1; EP0980728A1; AT504427B1; EP0947264A3; DE102006042272A1; DE102006042272B4; CN111590345A; US6375397B1; WO2011154044A1; EP1946876A1; US7811035B2; US6277322B1; US6219894B1; US6170139B1; EP1946876B1

Designated contracting state (EPC)  
AT DE GB NL

DOCDB simple family (publication)  
**EP 0671230 A1 19950913**; **EP 0671230 B1 19990113**; AT E175605 T1 19990115; DE 59407655 D1 19990225; JP 3004560 B2 20000131; JP H0839217 A 19960213; US 5626181 A 19970506

DOCDB simple family (application)  
**EP 94103765 A 19940311**; AT 94103765 T 19940311; DE 59407655 T 19940311; JP 5291095 A 19950313; US 40299395 A 19950310