

Title (en)
CONTINUOUS CASTING BILLET SHEAR

Publication
EP 0262899 A3 19890726 (EN)

Application
EP 87308564 A 19870928

Priority
US 91370586 A 19860929

Abstract (en)
[origin: EP0262899A2] An improved billet shear for use in a horizontal continuous casting system comprises a pair of oppositely positioned hydraulic cylinders (24, 25) and a pair of inwardly facing shearing blades (11, 12). The shearing blades (11, 12) are multi-faceted to produce simultaneous shearing of the casting and camming of the casting separations during the shearing process.

IPC 1-7
B22D 11/126; **B23D 35/00**; **B22D 11/12**

IPC 8 full level
B23D 15/02 (2006.01); **B22D 11/04** (2006.01); **B22D 11/126** (2006.01); **B23D 35/00** (2006.01)

CPC (source: EP)
B22D 11/126 (2013.01)

Citation (search report)

- [X] US 3565309 A 19710223 - GROSS JOHN
- [X] US 3585830 A 19710622 - MITCHELL RANDOLPH N
- [A] EP 0080998 A1 19830608 - VER EDELSTAHLWERKE AG [AT]
- [A] FR 2409108 A1 19790615 - VOEST ALPINE MONTAN AG [AT]
- [X] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 94 (M-374)[1817], 24th April 1985; & JP-A-59 219 114 (UBE KOSAN K.K.) 10-12-1984
- [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 29 (M-191)[1174], 5th February 1983; & JP-A-57 184 564 (KAWASAKI JUKOGYO K.K.) 13-11-1982

Cited by
DE102017219289A1; CN115026345A; US11529670B2

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