

Title (en)

Device for continuously casting metal melts, especially steel melts

Title (de)

Vorrichtung zum kontinuierlichen Vergiessen von Metallschmelzen, insbesondere Stahlschmelzen

Title (fr)

Dispositif pour la coulée continue de métaux liquides, en particulier d'aciers liquides

Publication

**EP 1275450 A3 20030205 (DE)**

Application

**EP 02013356 A 20020619**

Priority

DE 10134076 A 20010713

Abstract (en)

[origin: EP1275450A2] The assembly for continuous casting a molten metal into a strip, especially of molten steel, has two axially parallel casting rollers (2,3) which rotate against each other. The rollers define a casting gap (4) between them with side sealing plates (6,7) to contain the well of molten steel over the gap. The side sealing plates have a rotating movement around an axis (10) which is parallel to the roller axes (8,9). The side sealing plates are of a hard material with high wear resistance e.g. zirconium oxide, zirconium borite, aluminum oxide and/or silicon carbide. The ends of the rollers are coated with a wear-resistant cladding (15-18) of a high wear resistant steel, chrome carbide or tungsten carbide, nickel or graphite.

IPC 1-7

**B22D 11/06**

IPC 8 full level

**B22D 11/06** (2006.01)

CPC (source: EP)

**B22D 11/0651** (2013.01); **B22D 11/066** (2013.01)

Citation (search report)

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- [A] EP 0380698 A1 19900808 - NISSHIN STEEL CO LTD [JP]
- [A] DE 742180 C 19431124 - VELMET VELTENER LEICHTMETALL G
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 007 (M - 1198) 9 January 1992 (1992-01-09)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10 31 October 1997 (1997-10-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 330 (M - 442) 25 December 1985 (1985-12-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 142 (M - 388) 18 June 1985 (1985-06-18)

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CN100368120C; CN110170626A; CN111440939A

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**EP 1275450 A2 20030115; EP 1275450 A3 20030205**; DE 10134076 A1 20030130; DE 10134076 C2 20030618

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