

Title (en)  
PROCESS AND DEVICE FOR CONTINUOUS CASTING OF METAL BARS

Publication  
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Application  
**EP 88900569 A 19871219**

Priority  
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Abstract (en)  
[origin: WO8804586A1] In a process for continuously casting high melting point metals with a cast cross-section of nearly final dimensions according to the principle of communicating tubes, the outflowing metal is no longer exposed to reoxidation as it solidifies, the molten metal (also effervescent molten masses) can be degassed immediately before casting, and a temperature and analysis correction can also be carried out immediately before casting. The conditions are met by pressing the molten metal from a higher reservoir through the communicating tube (8) into a pressure vessel (13) with a gas dome (20). The molten metal is then conveyed through a vertical tube (14) immersed in the molten metal through the gas dome into an essentially vertical, oscillating and independent casting die (15). The continuously cast bar is deflected, while it is being formed, in an arc from the vertical into the horizontal and then removed.

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**B22D 11/14**

IPC 8 full level  
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CPC (source: EP KR US)  
**B22D 11/04** (2013.01 - KR); **B22D 11/106** (2013.01 - EP US); **B22D 11/14** (2013.01 - KR); **B22D 11/145** (2013.01 - EP US)

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**WO 8804586 A1 19880630**; AT E73369 T1 19920315; AU 1089788 A 19880715; AU 597780 B2 19900607; BR 8707607 A 19891003; DE 3736956 A1 19880707; DE 3736956 C2 19900621; DE 3777406 D1 19920416; EP 0294451 A1 19881214; EP 0294451 B1 19920311; JP H01501605 A 19890608; KR 890700412 A 19890424; KR 920000808 B1 19920123; RU 2056216 C1 19960320; US 4932462 A 19900612

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