

Title (en)  
DEVICE FOR GAS-SHIELDING A MOLTEN METAL JET

Publication  
**EP 0255450 B1 19900328 (FR)**

Application  
**EP 87401801 A 19850222**

Priority  
CA 448241 A 19840224

Abstract (en)  
[origin: ES8602460A1] A protective gas shield is formed around steel, to prevent oxidn. from the moment of pouring to the moment of solidification, by use of liq. and/or solid and/or gaseous carbon dioxide. - In ingot casting, the ingot mould is purged with carbon dioxide and the molten steel is teemed into the mould under the protection of a carbon dioxide shield such that the mould is filled with a carbon dioxide cover which covers the steel until it solidifies. In this embodiment, the carbon dioxide shield may be (partially) replaced by an argon shield. - In continuous casting, the molten stream is protected by carbon dioxide from the moment of formation until the moment it solidifies.  
[origin: ES8602460A1] A protective gas shield is formed around steel, to prevent oxidn. from the moment of pouring to the moment of solidification, by use of liq. and/or solid and/or gaseous carbon dioxide. - In ingot casting, the ingot mould is purged with carbon dioxide and the molten steel is teemed into the mould under the protection of a carbon dioxide shield such that the mould is filled with a carbon dioxide cover which covers the steel until it solidifies. In this embodiment, the carbon dioxide shield may be (partially) replaced by an argon shield. - In continuous casting, the molten stream is protected by carbon dioxide from the moment of formation until the moment it solidifies.

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**B22D 1/00**; **B22D 11/10**; **B22D 27/00**

IPC 8 full level  
**B22D 7/12** (2006.01); **B22D 1/00** (2006.01); **B22D 11/10** (2006.01); **B22D 11/106** (2006.01); **B22D 23/00** (2006.01); **B22D 27/00** (2006.01)

CPC (source: EP US)  
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