

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

Publication
EP 0255450 A3 19880518 (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 11/10; **B22D 1/00**; **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)
B22D 11/106 (2013.01 - EP US); **B22D 27/003** (2013.01 - EP US)

Citation (search report)
• [Y] DE 2040504 A1 19720217 - BASF AG
• [Y] EP 0005820 A1 19791212 - CONCAST AG [CH]
• [Y] DE 1920421 A1 19701112 - URAL ZD TJAZELOGO MASINOSTROJE
• [Y] LU 70560 A1 19741128

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AT BE CH DE FR GB IT LI LU NL SE

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