

Title (en)
PROCESS AND DEVICE FOR PREVENTING CONTAMINATION OF THE TAPPING STEEL BY FLUSH SLAG IN A TIPPING CONVERTER.

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VERMEIDUNG VON KONTAMINATION DES ABSTICHSTAHLER DURCH VORLAUFSCHLACKE BEI EINEM KIPPBAREN KONVERTER.

Title (fr)
PROCEDE ET DISPOSITIF VISANT A EVITER LA CONTAMINATION DE L'ACIER DE COULEE PAR LE LAITIER DE DECRASSAGE DANS UN CONVERTISSEUR BASCULANT.

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EP 0635071 A1 19950125 (DE)

Application
EP 93907776 A 19930401

Priority

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- DE 4211593 A 19920407
- DE 9213704 U 19921010
- DE 9215646 U 19921117

Abstract (en)
[origin: WO9320246A1] The invention relates to a process and device for reliably preventing the contamination of the tapping steel from a converter by flush slag. To this end a plastic, deformable plug (1, 8) of fireproof material containing silicate and oxide components and a suitable binder is used. The plug (1, 8) is inserted with the aid of a fitting device into the tapping until its front surface closed off by a cone-shaped crush-plate (2, 5) is virtually flush with the inside of the converter, on being crushed completely fills the diameter of the tapping aperture (10) and thus provides a plane such that the flush slag is reliably guided over the tapping when the converter is tipped. Owing to the process used, the novel plastic plug (1, 8) fits a wide range of tapping aperture diameters. The plug (1, 8) is rapidly removed by the molten steel flowing off through the cone channel (5) so that the steel flows into the tapping pan.

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C21C 5/46; F27D 3/15

IPC 8 full level
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C21C 5/4653 (2013.01)

Citation (search report)
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Cited by
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