

Title (en)

METHOD FOR CASTING A METAL MELT AS WELL AS ARRANGEMENT FOR CARRYING OUT THE METHOD

Publication

EP 0158628 A3 19870107 (DE)

Application

EP 85890072 A 19850321

Priority

AT 115584 A 19840405

Abstract (en)

[origin: US4635832A] In a method of casting a metal melt from a metallurgical vessel, in which the metal melt is covered by a slag layer, into another metallurgical vessel, the metal melt is guided through a casting tube, which covers the casting jet between the vessels. In order to reliably ascertain the passage of slag through the casting tube with very little expenditure, magnetic fields are induced in the casting jet by two coils peripherally surrounding the casting tube. The difference of the inductivity variations caused in the two coils by the eddy currents produced by the magnetic fields in the casting jet is continuously measured and compared to a least one limit value and casting is interrupted in case the limit has been exceeded or fallen short of.

IPC 1-7

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CPC (source: EP US)

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Citation (search report)

- [A] DE 2358074 B2 19770512
- [A] DE 2745799 A1 19780427 - ASEA AB
- [A] FR 2532208 A1 19840302 - SIDERURGIE FSE INST RECH [FR]
- [AP] SU 1089140 A1 19840430 - VNI PK I METALL MASH [SU]
- [AD] AT 350090 B 19790510 - VOEST AG [AT]
- [AD] AT 365497 B 19820125 - VOEST ALPINE AG [AT]
- [AD] AT 364754 B 19811110 - VOEST ALPINE AG [AT]
- [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 166 (M-93)[838], 23. Oktober 1981; & JP - A - 56 091974 (TOKYO SHIBAURA) 25.07.1981

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