

Title (en)

Method and apparatus for producing metal objects.

Title (de)

Verfahren und Vorrichtung zur Herstellung von Metallgegenständen.

Title (fr)

Procédé et appareil pour la fabrication d'objets métalliques.

Publication

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Application

EP 93114609 A 19930910

Priority

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Abstract (en)

The invention relates to a method and apparatus for producing standard-weight metal object, alloyed with at least one alloy ingredient, by means of casting. According to the invention, the main metal and alloy ingredient flows are conducted so, that the alloy ingredient is fed into the molten main metal flow in between the smelting furnace (1), used for smelting the main metal, and the casting mold (9). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] DE 2316045 A1 19731004 - MITSUI MINING & SMELTING CO
- [X] US 4436142 A 19840313 - MATHER DAVID S [CA]
- [A] WO 8002659 A1 19801211 - MEZGER AG MASCHF GIESSEREI, et al
- [A] DE 122573 C
- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 236 (M - 173)<1114> 25 November 1982 (1982-11-25)

Cited by

ITUA20162690A1; CN111534707A

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