Title (en)
METHOD FOR DETERMINING AMOUNTS OF INOCULANT TO BE ADDED TO A CAST-IRON MELT

Title (de)
VERFAHREN ZUR BESTIMMUNG DER MENGE DER ZU EINER GUSSEISENSCHMELZUNG HINZUZUFÜGENDEN IMPFSTOFFE

Title (fr)
PROCÉDÉ DE DÉTERMINATION DE QUANTITÉS D'INOCULANT DEVANT ÊTRE AJOUTÉES À UN BAIN DE FONTE

Publication
EP 2583089 A4 20161123 (EN)

Application
EP 11796052 A 20110614

Priority
• SE 1050616 A 20100616
• SE 2011050732 W 20110614

Abstract (en)
[origin: WO2011159234A1] Method for determining amounts of inoculant to be added to a cast-iron melt in a specific casting process, comprising the steps of: -providing a first sample holder(1) and a second sample holder(2) each having a thermocouple(3, 4) which is connected to analysis equipment (5); -filling each sample holder(1, 2) with an amount of molten iron; recording a first cooling curve during solidification of the iron in the first sample holder(1) and a second cooling curve during solidification of the iron in the second sample holder(2); characterised in that one of the sample holders, before being filled with molten iron, has a predetermined amount of inoculant placed in it which represents the inoculant saturation level in the specific casting process, the amount of inoculant to be added to the melt in the specific casting process being determined on the basis of the difference between the lowest eutectic temperature(TElow) on the first cooling curve and the lowest eutectic temperature(TElow) on the second cooling curve.

IPC 8 full level
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Citation (search report)
• [I] WO 9825133 A1 19980611 - SINTERCAST AB [SE], et al
• See references of WO 2011159234A1

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DOCDB simple family (publication)
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