Title (en)
LADLE STEEL DEOXIDATION METHOD

Title (de)
PFANNENSTAHLDESOXIDATIONSVERFAHREN

Title (fr)
PROCÉDÉ DE RÉDUCTION D'ACIER DANS LA POCHE

Publication
EP 2039785 A4 20091021 (EN)

Application
EP 06843948 A 20060630

Priority
RU 2006000344 W 20060630

Abstract (en)
[origin: EP2039785A1] The invention relates to producing a high-quality low-carbon steel. The inventive ladle steel deoxidation method consists in introducing granulated or lump desoxidant, the density of which is less than the density of a melt in a ladle, in to a said melt. Said desoxidant is introduced during the melt pouring off a production unit into the ladle by means of a concentrated high-rate flow, the impulse of which allows the desoxidant to penetrate directly inside the melt. The desoxidant is introduced into the melt stream with the aid of a shotblast machine. The desoxidant is embodied in the form of a granulated or lump aluminium of a size ranging from 0,5 to 12,0 mm. The use of the invention makes it possible to reduce the desoxidant loss by two times, to increase the recovery thereof and to improve the metal quality.

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CPC (source: EP)
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Citation (search report)
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- [X] US 4391319 A 19830705 - HEASLIP LAWRENCE J [CA], et al
- [X] US 4863684 A 19890905 - HUBBARD MARK A [US]
- See references of WO 2008002176A1

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DOCDB simple family (publication)
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