

Title (en)

A cored-wire for injecting into a steel melt and process of treating a steel melt using said wire

Title (de)

Fülldraht zur Behandlung von Stahlschmelzen mittels Drahtinjektion

Title (fr)

Fil fourré pour traiter l'acier en fusion et procédé pour le traitement en utilisant ce fil

Publication

EP 1715065 A2 20061025 (EN)

Application

EP 06008183 A 20060420

Priority

- EP 05075937 A 20050420
- EP 06008183 A 20060420

Abstract (en)

A wire for injecting into a steel melt in an injection direction, the wire comprising a metallic tubular shell enclosing a core, the core comprising calcium or a calcium containing compound, wherein the core also comprises a distribution enhancing compound for distributing the calcium or calcium containing compound in the steel melt in a direction substantially perpendicular to the injection direction wherein the distribution enhancing compound comprises a compound having a vapour pressure which is higher than the vapour pressure of calcium at liquid steel temperatures for obtaining a more homogeneous distribution of the calcium or calcium containing compound in the steel melt. The invention also relates to a process of treating a steel melt using said wire, the use of said wire and the resulting continuously cast steel product.

IPC 8 full level

C21C 7/00 (2006.01)

CPC (source: EP)

C21C 7/0056 (2013.01)

Citation (examination)

- KR 100336855 B1 20021018 - POSCO
- EP 0190089 A1 19860806 - VALLOUREC [FR]
- GB 1315005 A 19730426 - KOBE STEEL LTD
- FR 2521593 A1 19830819 - SHOWA DENKO KK [JP], et al

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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