

Title (en)

Process and installation for the addition of a manganese alloy during steel processing

Title (de)

Verfahren und Vorrichtung zur Zuführung einer Manganlegierung bei der Stahlerzeugung

Title (fr)

Procédé et installation pour l'addition d'un alliage de manganèse dans l'elaboration de l'acier

Publication

EP 1698705 A3 20070411 (DE)

Application

EP 06003578 A 20060222

Priority

AR P050100832 A 20050304

Abstract (en)

[origin: EP1698705A2] Process for addition of manganese (Mn) alloy to steel material in steel production where the Mn alloy (20) is in the form of ferromanganese of high, medium and low carbon content and Mn-Si (silicon) of normal and low carbon (C) content which are added to the glowing mass of primary steel (Q) during tapping in a pouring ladle (30). An independent claim is included for a device for carrying out the additions, in which a casting strand (Hulsenstrang, sic) (10) is added to the inner space (28) of the pouring ladle for the primary steel.

IPC 8 full level

C21C 7/00 (2006.01); **F27D 3/00** (2006.01)

CPC (source: EP US)

B22D 1/00 (2013.01 - EP US); **C21C 7/0006** (2013.01 - EP US); **C21C 7/0037** (2013.01 - EP US); **C21C 7/0056** (2013.01 - EP US); **F27D 3/0033** (2013.01 - EP US)

Citation (search report)

- [X] EP 0058774 A1 19820901 - MASCHF AUGSBURG NUERNBERG AG [DE]
- [X] DE 2632707 A1 19780126 - BEIERSDORF ERNST DIPL ING
- [X] DE 19916234 A1 20000907 - ODERMATH STAHLWERKSTECHNIK [DE]
- [X] MURRAY P: "USE OF CORED WIRE TO INTRODUCE METALLIC POWDERS INTO MOLTEN METAL", METALLURGIST, CONSULTANTS BUREAU. NEW YORK, US, vol. 41, no. 1/2, January 1997 (1997-01-01), pages 53 - 55, XP000722334, ISSN: 0026-0894

Cited by

WO2022117315A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1698705 A2 20060906; EP 1698705 A3 20070411; US 2006198756 A1 20060907

DOCDB simple family (application)

EP 06003578 A 20060222; US 36709006 A 20060303