

Title (en)

PROCESS FOR THE METALLURGICAL TREATMENT OF MOLTEN STEEL IN A CONVERTER WITH OXYGEN TOP BLOWN

Title (de)

VERFAHREN ZUR METALLURGISCHEN BEHANDLUNG VON FLÜSSIGEM STAHL MIT SAUERSTOFF IN EINEM AUFBLASKONVERTER

Title (fr)

PROCEDE POUR LE TRAITEMENT METALLURGIQUE D'ACIER EN FUSION DANS UN CONVERTISSEUR A SOUFFLAGE D'OXYGENE PAR LE HAUT

Publication

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Application

EP 00972070 A 20001006

Priority

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- US 0028077 W 20001006

Abstract (en)

[origin: WO0231212A1] this invention concerns a blowing lance and a procedure for the metallurgical treatment of molten steel in a converter with oxygen top blown over the molten steel. In order to monitor the treatment process the intention is for a temperature probe (21) to be integrated into the water-cooled lance head (2) behind the front end of the lance head (11a) and between the cooling chambers (5-10) formed in the lance head (2). The signal lines (26) of this temperature probe run through the lance body (1), more specifically, in a central protective pipe which has no connections to the cooling medium or to the oxygen conducting channels (15, 16, and 17).

IPC 1-7

C21C 5/32; C21D 11/00

IPC 8 full level

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CPC (source: EP)

C21C 5/30 (2013.01); **C21C 5/4606** (2013.01); **C21C 5/4673** (2013.01); **C21C 7/068** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 0231212A1

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