

Title (en)  
Method for desulfurization of molten pig iron

Title (de)  
Verfahren zum Entschwefeln einer Roheisenschmelze

Title (fr)  
Méthode pour la désulfuration de la fonte liquide

Publication  
**EP 0974674 B1 20041006 (DE)**

Application  
**EP 99106652 A 19990331**

Priority  
DE 19833036 A 19980722

Abstract (en)  
[origin: EP0974674A1] Molten pig iron is desulfurized by injection of a high reducing additive content agent under conditions which take thermodynamic and reaction kinetics requirements into account. Preferred Features: The parameters are a relatively high ratio of the agent injection rate to the transport gas rate, a relatively high specific total gas quantity and a relatively high ratio of evolved gas quantity to transport gas quantity. The agent comprises (by wt.) 30-72 CaC<sub>2</sub>, 15-62% CaO and 8-20% gas-evolving additive, especially gas coal, flame coal, plastic or other hydrocarbon which evolves reducing gases at pig iron temperatures of 1150-1500 degrees C.

IPC 1-7  
**C21C 1/02**

IPC 8 full level  
**C21C 1/02** (2006.01)

CPC (source: EP)  
**C21C 1/025** (2013.01)

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**EP 0974674 A1 20000126; EP 0974674 B1 20041006**; AT E278810 T1 20041015; DE 19833036 A1 20000127; DE 59910702 D1 20041111

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