

Title (en)  
AGENT FOR DESULPHURATION OF MOLTEN IRON AND PROCESS FOR ITS PRODUCTION

Publication  
**EP 0226994 B1 19900718 (DE)**

Application  
**EP 86117417 A 19861215**

Priority  
• DE 3544562 A 19851217  
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Abstract (en)  
[origin: US4764211A] A fine-grained agent for desulfurizing molten iron comprising industrial calcium carbide, dried coal which contains at least 15% by weight of volatile constituents and which, immediately after being passed into the molten iron, releases at least 80 standard liters of gas per kg of coal, and optionally contains fine-grained magnesium. The coals used are lignites, flame coal, gas-flame coal, gas coal or coking coal. The agent is prepared by addition of the dried coal to the calcium carbide, if appropriate, pre-crushed, and common comminuted to a grain size of 90% <200 µm. The fine-grained magnesium is present in the agent either in uniform distribution, or it is stored and fluidized separately from the carbide/coal mixture and added to the carbide/coal mixture in the transport line or in the lance, if appropriate, with variation during injection.

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

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

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

Citation (examination)  
Hütte, Taschenbuch für Eisenhüttenleute, 1961, S.278-382

Cited by  
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