

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

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Application
EP 86117417 A 19861215

Priority
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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 μ m. 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.

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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
DE102011116501C5; EP0467545A3; EP0602540A1; DE4242328A1; DE3831831C1; EP0360223A3; EP0387580A1; US8507010B2; WO9533859A1; WO9617963A1; DE202014100884U1; DE102011116501A1; WO2013057262A2; US10190183B2

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