

Title (en)

Desulfurisation agent for pig iron, comprising calcium carbide and an organic binder.

Title (de)

Entschwefelungsmittel für Roheisen, aus Calciumkarbid und organisches Bindemittel.

Title (fr)

Désulfurant pour fonte constitué de carbure de calcium et de liant organique.

Publication

**EP 0511121 A1 19921028 (FR)**

Application

**EP 92420097 A 19920331**

Priority

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- NL 9201746 A 19921008

Abstract (en)

New product for desulphurising liquid pig iron, consisting essentially of calcium carbide and of an organic binder, and process for its manufacture. <??>The product consists of technical calcium carbide powder, with the optional addition of products intended to produce a gas release in the bath or to modify the composition of the slag, coated or agglomerated by means either of resins or of an organic compound with a well-established melting point and solid at room temperature. <??>The process comprises a number of stages: mixing the carbide and additives with binder, resin or the organic product, agglomeration by forming nuts, tablets, compression or extrusion, and optional remilling and screening to obtain the desired particle size distribution. <??>The product is introduced into the liquid pig iron with a lance, by gravity or in the form of cored wire. It has the advantage of good pourability, increased efficiency and reduced reactivity towards moisture. It is employed for the desulphurisation of pig iron, both in refining and in casting. <IMAGE>

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**C21C 1/02**

IPC 8 full level

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CPC (source: EP US)

**C21C 1/025** (2013.01 - EP US); **C22B 1/244** (2013.01 - EP US)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 281 (C-200)15 Décembre 1983 & JP-A-58 161 717 ( DENKI KAGAKU KOGYO K.K. ) 26 Septembre 1983
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