

Title (en)
PROCESS FOR PRODUCING DESULFURIZING AGENTS FOR PIG IRON OR STEEL MELTS

Publication
EP 0031534 B1 19840822 (DE)

Application
EP 80107915 A 19801215

Priority
DE 2952686 A 19791229

Abstract (en)
[origin: ES8200146A1] The present invention relates to a process for the manufacture of desulfurizing agents containing 1-6% by weight of chemically bonded water, based on calcium oxide-containing calcium carbide, for crude iron and steel melts. To this end, a molten mixture of calcium carbide and calcium oxide with a CaO content of 20 to 80% by weight is produced, which is allowed to solidify into a block. Next, the block which still has an average temperature of more than 400 DEG C., is rough-crushed to particles with a size of less than 150 mm and calcium oxide is added to the comminuted mixture, which still has a temperature of at least 400 DEG C., in accordance with the CaO content desired in the end product. The mixture is finally ground in the presence of air or nitrogen with a moisture content of from 5 to 20 g/m3 (at 1.013 bar and 273.15 K) at temperatures below 100 DEG C. to particles with a size of less than 10 mm.

IPC 1-7
C21C 1/02; **C21C 7/064**; **C01B 31/32**

IPC 8 full level
C01B 31/32 (2006.01); **C01B 32/942** (2017.01); **C21C 1/02** (2006.01); **C21C 7/064** (2006.01); **C21C 7/076** (2006.01)

CPC (source: EP US)
C21C 1/025 (2013.01 - EP US); **C21C 7/0645** (2013.01 - EP US)

Citation (examination)
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0031534 A1 19810708; **EP 0031534 B1 19840822**; AT E9101 T1 19840915; AU 532989 B2 19831020; AU 6585480 A 19810709; BR 8008500 A 19810714; DD 155527 A5 19820616; DE 2952686 A1 19810702; DE 3069043 D1 19840927; DK 151569 B 19871214; DK 151569 C 19880530; DK 550880 A 19810630; ES 497685 A0 19811101; ES 8200146 A1 19811101; IN 153342 B 19840707; JP S5698413 A 19810807; JP S6327406 B2 19880602; MX 154954 A 19880114; NO 153500 B 19851223; NO 153500 C 19860402; NO 803924 L 19810630; PL 125648 B1 19830630; PL 228751 A1 19810904; SU 1269739 A3 19861107; US 4368071 A 19830111; ZA 808064 B 19820127

DOCDB simple family (application)
EP 80107915 A 19801215; AT 80107915 T 19801215; AU 6585480 A 19801224; BR 8008500 A 19801223; DD 22669980 A 19801229; DE 2952686 A 19791229; DE 3069043 T 19801215; DK 550880 A 19801223; ES 497685 A 19801212; IN 1420CA1980 A 19801223; JP 18417880 A 19801226; MX 18547881 A 19810105; NO 803924 A 19801223; PL 22875180 A 19801223; SU 3221904 A 19801226; US 22208681 A 19810102; ZA 808064 A 19801229