

Title (en)

An improved raw materials mix and process for producing self-fluxing, sintered ores.

Title (de)

Rohmaterialmischung und Verfahren zur Herstellung selbstschmelziger gesinterter Erze.

Title (fr)

Mélange de matières premières et procédé de fabrication de minerais auto-fusibles frittés.

Publication

EP 0015085 A1 19800903 (EN)

Application

EP 80300299 A 19800201

Priority

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- JP 5930879 A 19790515
- JP 6284779 A 19790522

Abstract (en)

A process is disclosed for producing self-fluxing, sintered ores using a raw materials mix comprising at least 25 wt% of fine grains below 1 mm in size and not more than 5.4 wt% of SiO₂ in terms of sintered ore product. The process is characterized by control of the SiO₂ content of said fine grains to be at least 50 wt% of the total SiO₂ content of the mix, and sintering of the thus controlled mix.

IPC 1-7

C22B 1/16

IPC 8 full level

C22B 1/16 (2006.01)

CPC (source: EP)

C22B 1/16 (2013.01)

Citation (search report)

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- [A] AUFBEREITUNGS-TECHNIK, Nr. 12, 1975 Wiesbaden. O. BURGHARDT et al. "Qualitätsmerkmale von Sinter unter Beeinflussung der verschiedenen basischen Zuschläge" pages 631 to 634
- [A] STAHL UND EISEN, Vol. 81, No. 1, 1961 Dusseldorf. L.V. BOGDANDY "Herstellung und Verarbeitung von Erzsinter mit höheren Basengraden im Hochofen" pages 12 to 22
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