

Title (en)  
PROCESS FOR DESULPHURISING IRONS MELTS WITH MINIMAL SLAG PRODUCTION AND SUITABLE DEVICE THEREFOR

Title (de)  
VERFAHREN ZUR ENTSCHEFELUNG VON EISENSCHMELZEN BEI MINIMALEM SCHLACKE-ANFALL UND EINE DAFÜR GEEIGNETE VORRICHTUNG

Title (fr)  
PROCEDE DE DESULFURATION DE BAINS DE FER EN FUSION AVEC PRODUCTION MINIMALE DE LAITIER ET DISPOSITIF APPROPRIE POUR CE PROCEDE

Publication  
**EP 0627012 B1 19970730 (DE)**

Application  
**EP 93903828 A 19930225**

Priority  
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• DE 9300165 W 19930225

Abstract (en)  
[origin: WO9317131A1] The invention relates to a process for desulphurising irons melts with minimal slag production, and a suitable device therefor. In the process, a slag with the chemical analysis (I) and impurities arising from the raw material is taken to a temperature of 1400 to 1800 C by the resistance heating of the slag by means of electrodes immersed in the slag in a tippable low-shaft furnace or an electric or pan furnace adapted for the process of the invention and with this slag the sulphur-containing irons melt is desulphurised and either discontinuously or continuously cast beneath the desulphurising slag, and the ratio between the irons melt and the slag may not exceed 10 : 1 parts by weight and the desulphurising slag is continuously and/or discontinuously regenerated.

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

IPC 8 full level  
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Cited by  
DE102013113197A1; EP1186676A3; US6506225B1; WO2017084912A1; US8235576B2

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