

Title (en)  
PROCESS FOR MELTING OF METAL MATERIALS IN A SHAFT FURNACE

Title (de)  
VERFAHREN ZUM EINSCHMELZEN VON METALLISCHEN EINSATZSTOFFEN IN EINEM SCHACHTOFEN

Title (fr)  
PROCEDE DE FUSION DE MATIERES METALLIQUES DANS UN FOUR A CUVE

Publication  
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Application  
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Priority  
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• CH 55696 A 19960304

Abstract (en)  
[origin: WO9733134A1] The invention relates to a process for melting of metal materials substances in a shaft furnace. During said process, coke is burned with pre-heated air and substantially clean oxygen, and the flue gases heat in counterflow the metal charge. The melt is overheated and carburized in the coke bed, a blast of a fixed portion of the oxygen being injected into the coke bed at very high speed and as far as possible to improve the passage of gas through the coke bed, and a blast of a second variable quantity of oxygen being injected into the bustle pipe.

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