

Title (en)  
Control of a melting process

Title (de)  
Kontrolle eines Schmelzprozesses

Title (fr)  
Contrôle d'un processus de fusion

Publication  
**EP 1790738 A1 20070530 (EN)**

Application  
**EP 05026027 A 20051129**

Priority  
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Abstract (en)  
The invention relates to a method to control a process for heating or melting a metal (2), in particular aluminium, comprising the steps: - heating said metal (2) in a fuel-fired furnace (1) wherein a fuel is combusted with an oxygen containing gas, - measuring (9, 10) the concentrations of carbon dioxide and oxygen in the furnace atmosphere, - calculating the theoretical concentration of oxygen in the furnace atmosphere on the basis of said concentration of carbon dioxide, - determining the difference between said theoretical concentration of oxygen and said detected concentration of oxygen and - controlling said process depending on said difference.

IPC 8 full level  
**C22B 21/00** (2006.01); **F27D 7/00** (2006.01)

CPC (source: EP US)  
**C22B 21/0084** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)  
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