

Title (en)  
METHOD TO OPTIMIZE THE OPERATION OF A FURNACE

Publication  
**EP 0088717 B1 19871119 (FR)**

Application  
**EP 83630042 A 19830307**

Priority  
LU 83989 A 19820309

Abstract (en)  
[origin: EP0088717A1] 1. Method to optimize the operation of an industrial furnace used for heating metallic material such as a soaking pit, a pusher type furnace or a walking beam type furnace, wherein the ratio of the fuel flow rate to the oxydant is adjusted in order to maintain a set residual amount of oxygen or carbon monoxyde in the exhaust gases, characterized in that at the start the working characteristics of the furnace are established for different temperatures, different furnace loads and different residual amounts of oxygen or carbon monoxyde in the exhaust gases, in that these characteristics are memorized, in that during normal furnace operation the actual furnace temperature and the oxydant flow rate are measured and in that the fuel flow rate is adjusted in conformity with the memorized characteristics in order to have the desired residual amount of oxygen or carbon monoxyde in the exhaust gases.

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IPC 8 full level  
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Cited by  
US4645450A; EP0341323A1; FR2712961A1; EP0661499A1; TR28665A; US6213758B1

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