

Title (en)  
METHOD FOR REFINING A METAL MELT

Publication  
**EP 0034108 B1 19850717 (FR)**

Application  
**EP 81630003 A 19810107**

Priority  
LU 82070 A 19800109

Abstract (en)  
[origin: ES8203103A1] A process for refining a steel melt in a furnace in which a steel melt is formed with a slag layer thereon, the thickness of which can be controlled by passing a stream of inert gas upwardly through the melt, while directing a first stream of oxygen into the melt from a lance positioned above the melt for the top-blowing refining thereof to produce carbon monoxide above the melt and feeding a second stream of oxygen from the lance for the post-combustion of the released carbon monoxide, while monitoring continuously the thickness of the slag layer, the height of the melt, the carbon monoxide post-combustion factor (%CO<sub>2</sub>/%CO+%CO<sub>2</sub>) and the speed of decarburization of the melt and controlling the height of the lance above the melt and the discharge rates of total blown oxygen, the second stream of oxygen and the inert gas stream at any given time in accordance with a particular relationship.

IPC 1-7  
**C21C 5/30**

IPC 8 full level  
**C21C 5/32** (2006.01); **C21C 5/30** (2006.01)

CPC (source: EP US)  
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• LU 69388 A1 19740529

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