

Title (en)  
ELECTROLYTIC CELL WITH A HEAT EXCHANGER

Title (de)  
ELEKTROLYSEZELLE MIT WÄRMETAUSCHER

Title (fr)  
CUVE D'ELECTROLYSE AVEC ECHANGEUR THERMIQUE

Publication  
**EP 1948849 A2 20080730 (FR)**

Application  
**EP 06831067 A 20061106**

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Abstract (en)  
[origin: WO2007057534A2] The invention relates to electrolytic cells used for producing aluminum. The lateral walls (8) of the cell, which surround its crucible (4, 4') are comprised, on at least a fraction of their height and/or their thickness, of a porous material part (13) capable of permitting the circulation of a heat transfer gas, the porous material part (13) being connected to inlet (15) and outlet means (16) of the heat transfer gas whereby constituting a heat exchanger that recovers the heat energy lost on the sides of the cell.

IPC 8 full level  
**C25C 3/08** (2006.01)

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