

Title (en)

ELECTROLYTIC REDUCTION OF METAL OXIDES

Title (de)

ELEKTROLYTISCHE REDUKTION VON METALLOXIDEN

Title (fr)

REDUCTION ELECTROLYTIQUE D'OXYDES METALLIQUES

Publication

EP 1392890 A4 20041006 (EN)

Application

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Priority

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- AU PR443901 A 20010410

Abstract (en)

[origin: WO02083989A1] A method of electrolytically reducing a metal oxide (such as aluminium and magnesium oxides) to produce a metal in an electrolytic cell is disclosed. The method includes electrolytically reducing the metal oxide in an electrolytic cell that includes a pool of molten metal, the metal being the metal of the metal oxide to be reduced, and the molten metal pool forming a cathode of the cell. The electrolytic cell also includes a pool of molten electrolyte in contact with the molten metal, the electrolyte containing alkali and/or alkaline earth halides. The electrolytic cell also includes an anode extending into the electrolyte and a body of metal oxide to be reduced in contact with the molten metal and the electrolyte.

IPC 1-7

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CPC (source: EP US)

C25C 3/00 (2013.01 - EP US); **C25C 3/04** (2013.01 - EP US); **C25C 3/06** (2013.01 - EP US)

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- No further relevant documents disclosed
- See references of WO 02083989A1

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