

Title (en)
ELECTROCHEMICAL REDUCTION OF METAL OXIDES

Title (de)
ELEKTROCHEMISCHE REDUKTION VON METALLOXIDEN

Title (fr)
REDUCTION ELECTROCHIMIQUE D'OXYDES METALLIQUES

Publication
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Application
EP 06760944 A 20060801

Priority
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Abstract (en)
[origin: WO2007014422A1] A process for electrochemically reducing a titanium oxide in a solid state in an electrolytic cell that includes an anode, a cathode, a molten CaCl₂-based electrolyte containing CaO, and titanium oxide feed material in contact with the molten electrolyte is disclosed. The process is characterised by controlling the process by controlling the concentration of CaO in the electrolyte.

IPC 8 full level
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C22B 9/14 (2013.01); **C22B 34/129** (2013.01); **C25C 3/28** (2013.01); **C25C 5/04** (2013.01)

Citation (search report)
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• [X] US 2004237711 A1 20041202 - ONO KATSUTOSHI [JP], et al
• [X] US 2003173228 A1 20030918 - STREZOV LAZAR [AU], et al
• [A] OKABE T H ET AL: "ELECTROCHEMICAL DEOXIDATION OF TITANIUM", METALLURGICAL TRANSACTIONS B. PROCESS METALLURGY, METALLURGICAL SOCIETY OF AIME. NEW YORK, US, vol. 24B, 1 June 1993 (1993-06-01), pages 449 - 455, XP000381332
• See references of WO 2007014422A1

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