

Title (en)

REDUCTION OF METAL OXIDES IN AN ELECTROLYTIC CELL

Title (de)

REDUKTION VON METALLOXIDEN IN EINER ELEKTROLYSEZELLE

Title (fr)

REDUCTION D'OXYDES METALLIQUES DANS UNE CELLULE ELECTROLYTIQUE

Publication

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Application

EP 03743767 A 20030313

Priority

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- AU PS304902 A 20020619

Abstract (en)

[origin: WO03076690A1] A method of reducing a metal oxide, such as titania in a solid state in an electrolytic cell is disclosed. The electrolytic cell includes an anode, a cathode, and a molten electrolyte. The electrolyte includes cations of a metal that is capable of chemically reducing the metal oxide. The metal oxide in a solid state is immersed in the electrolyte. The method includes a step of operating the cell at a potential that is above a potential at which cations of the metal that is capable of chemically reducing the metal oxide deposit as the metal on the cathode, whereby the metal chemically reduces the metal oxide.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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