

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 04761366 A 20040927

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Abstract (en)
[origin: WO2005031041A1] An electrolytic cell (1) for reducing metal oxide powders and/or pellets in a continuous or semi-continuous manner, the cell includes a cathode (25) in the form of a plate that has an upper surface for supporting metal oxide powders and/or pellets. The plate is supported for movement so as to cause the metal oxide on the upper surface to move toward a forward end of the plate while immersed in a molten electrolyte (21). The cell includes multiple anodes (23) and support structures (63,65) that separately support the cathode and the anodes from above the cell. In a preferred embodiment the anode support structure enables adjustment of the spacing of the anodes above the upper surface of the cathode.

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