

Title (en)

MINIMISING CARBON TRANSFER IN AN ELECTROLYTIC CELL

Title (de)

MINIMIERUNG DES KOHLENSTOFFTRANSFERS IN EINER ELEKTROLYSEZELLE

Title (fr)

MINIMISATION DU TRANSFERT DE CARBONE DANS UNE CELLULE ELECTROLYTIQUE

Publication

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Application

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Abstract (en)

[origin: US2005092129A1] An electrolytic cell for reducing a metal oxide, such as titania, in a solid state is disclosed. The electrolytic cell includes an anode formed from carbon and a cathode formed at least in part from the metal oxide. The electrolytic cell also includes a membrane that is permeable to oxygen anions and is impermeable to carbon in ionic and non-ionic forms positioned between the cathode and the anode to thereby prevent migration of carbon to the cathode.

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IPC 8 full level

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