

Title (en)
METHODS OF PRODUCING CARBON LAYERS ON TITANIUM METAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON KOHLENSTOFFSCHICHTEN AUF TITANMETALL

Title (fr)
PRODUCTION DE COUCHES DE CARBONE SUR DU TITANE

Publication
EP 1685271 A1 20060802 (EN)

Application
EP 04795800 A 20041021

Priority

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Abstract (en)
[origin: WO2005042799A1] A method of fabricating a cathode, comprising depositing a carbon material on a portion of a titanium substrate; heating the deposited material and the titanium substrate at between about 600 degrees to about 1,000 degrees Celsius at a reduced pressure and/or under a chemically inert cover gas to form a titanium carbide layer at interface of the titanium and the carbon material; and activating the deposited carbon material by heating in an oxygen-containing atmosphere for between about 0.1 hour to about four hours at temperatures between 200 degrees and 500 degrees.

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