

Title (en)

Process for electrode fabrication having a uniformly distributed catalyst layer upon a porous substrate.

Title (de)

Verfahren zur Herstellung einer Elektrode mit einer gleichmässig verteilten Katalysatorschicht auf einem porösen Substrat.

Title (fr)

Procédé de fabrication d'électrodes avec une couche de catalyseur distribuée d'une manière uniforme sur un substrat poreux.

Publication

**EP 0040897 A1 19811202 (EN)**

Application

**EP 81300306 A 19810123**

Priority

US 15311080 A 19800523

Abstract (en)

Process for preparing electrodes for the oxidation of sulfur dioxide (including the oxidation of sulfur dioxide in a sulfur cycle process for hydrogen generation) in which a platinum group metal containing catalyst material is coated evenly onto a high-surface-area porous substrate. A solution is applied onto the substrate by a vacuum filtration method. A pressure differential of at least 10 mm-Hg is applied across the substrate. The substrate is uniformly heated (preferably by radiant heating).

IPC 1-7

**C25B 11/06**; **C25B 11/14**; **C25B 1/04**

IPC 8 full level

**C25B 11/06** (2006.01); **C25B 11/08** (2006.01); **C25B 11/14** (2006.01)

CPC (source: EP)

**C25B 11/044** (2021.01)

Citation (search report)

- DE 2002298 B2 19731011
- [A] GB 1329153 A 19730905 - SOLVAY
- [A] US 4164457 A 19790814 - BARNERT HEIKO [DE], et al
- US 3778307 A 19731211 - BEER H

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EP0066349A1; EP0092603A1; GB2365023A; GB2365023B; EP0683247A1; US5575985A; CN1052038C; US7238841B2

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**EP 0040897 A1 19811202**; AU 6609981 A 19811126; BR 8100253 A 19820112; CA 1150231 A 19830719; ES 502417 A0 19821101; ES 8300878 A1 19821101; JP S579889 A 19820119; ZA 81173 B 19820428

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**EP 81300306 A 19810123**; AU 6609981 A 19810109; BR 8100253 A 19810116; CA 368368 A 19810113; ES 502417 A 19810522; JP 809781 A 19810123; ZA 81173 A 19810112