Title (en)

Method For Converting An Electrorefinery And Device For Use Therein

Title (de)

Methode zum Umbau einer Elektroraffinationsanlage und dafür benötigtes Bauteil

Title (fr)

Procédé de conversion d'un appareil à raffinage électrolytique et dispositif correspondant

Publication

EP 1428910 A1 20040616 (EN)

Application

EP 02102750 A 20021213

Priority

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Abstract (en)

A method for converting an electrorefinery comprises the steps of: (a) short-circuiting a first section in an electrical circuit of an electrorefining unit and meanwhile: removing all electrode sets arranged for operation at a cathode spacing d1 from the electrorefining cells in the section; installing electrode sets with a cathode spacing d2 in the cells in the section, except the first and last cells; installing in the first and last cells in the section a cell bypassing device so as to bypass the first and last cells; (b) after step (a), opening the short-circuit to allow current to circulate through the section again; (c) repeating steps (a) and (b) for each of the remaining sections in the unit; and (d) interrupting the power supply in the electrical circuit and meanwhile replacing all head-bars configured for operating at cathode spacing d1 by head-bars configured for operating at cathode spacing d2. <??>A cell bypassing device is also presented. <IMAGE>

IPC 1-7

C25C 7/06; C25C 7/02; C25B 9/04

IPC 8 full level

C25B 9/04 (2006.01); **C25C 7/02** (2006.01); **C25C 7/06** (2006.01)

CPC (source: EP)

C25B 9/66 (2021.01); **C25C 7/02** (2013.01); **C25C 7/06** (2013.01)

Citation (search report)

- [A] EP 0301115 A1 19890201 - KIDD CREEK MINES LTD [CA]
- [A] US 4589966 A 19860520 - FORD JAMES M [US]
- [A] EP 0638666 A1 19950215 - PERMELEC SPA NORA [IT]
- [A] GB 2040311 A 19800828 - COPPER REFINERIES PTY LTD

Cited by

AU2017245752B2; WO2017174869A1

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