

Title (en)

MONITORING AND CONTROL DEVICE FOR CHLOROALCALI ELECTROLYTIC CELLS WITH MERCURY CATHODE

Publication

EP 0068076 B1 19861112 (DE)

Application

EP 82102107 A 19820316

Priority

DE 3124108 A 19810619

Abstract (en)

[origin: US4448660A] A monitoring and control apparatus for flowing mercury electrolytic cells by measurement of the voltage drop in the shunted feed line of each electrode group comprising taps at the ends of a measured section of electrical bus bars for each electrode group electrically connected to a measuring means whereby the measured voltage drop is fed as an amplified signal to the measuring means, a control means set for a value from the total cell current divided by the number of taps comparing the actual measured values at various feed lines and a signal means activated when a set excess current is exceeded and to actuate the adjusters for a group of electrodes to lift the electrodes stepwise by an adjustable amount until excess current is not measured by comparison indicating that the feed line is no longer overloaded and a method of monitoring electric current in a mercury cell.

IPC 1-7

C25B 15/04

IPC 8 full level

C25B 15/04 (2006.01)

CPC (source: EP US)

C25B 15/04 (2013.01 - EP US)

Citation (examination)

- DE 2432691 A1 19750130 - PPG INDUSTRIES INC
- DE 2422582 A1 19741128 - OLIN CORP

Cited by

KR100865294B1; EP0099795B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0068076 A2 19830105; EP 0068076 A3 19830323; EP 0068076 B1 19861112; AT E23579 T1 19861115; CA 1189825 A 19850702; DE 3124108 A1 19830113; DE 3124108 C2 19860109; DE 3274265 D1 19870102; MX 151556 A 19841213; US 4448660 A 19840515

DOCDB simple family (application)

EP 82102107 A 19820316; AT 82102107 T 19820316; CA 405090 A 19820614; DE 3124108 A 19810619; DE 3274265 T 19820316; MX 19299482 A 19820603; US 38928582 A 19820617