

Title (en)

Monitoring and control device for chloroalkali electrolytic cells with mercury cathode.

Title (de)

Überwachungs- und Steuerungseinrichtung für Chloralkalielektrolysezellen mit Quecksilberkathode.

Title (fr)

Dispositif de surveillance et de commande pour cellules d'électrolyse chlore-alkali à cathode de mercure.

Publication

EP 0068076 A2 19830105 (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.

Abstract (de)

Überwachungs- und Steuerungseinrichtung für Elektrolysezellen zum Schutz vor Überstrom mit Quecksilberkathode, insbesondere mit dimensionsstabilen Anoden vertikal verstellbar gegenüber dem fließenden Quecksilber einer Chloralkalielektrolysezelle.

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C25B 15/04

IPC 8 full level

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CPC (source: EP US)

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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

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