

Title (en)

Device for the electrolytic treatment of liquids in anodic and cathodic compartments

Title (de)

Vorrichtung zum elektrolytischen Behandeln von Flüssigkeiten mit einer Anoden- und einer Kathodenkammer

Title (fr)

Dispositif pour le traitement électrolytique de liquides dans un compartiment anodique et cathodique

Publication

EP 0579910 B1 19961009 (DE)

Application

EP 93107034 A 19930430

Priority

DE 4224492 A 19920724

Abstract (en)

[origin: EP0579910A1] The object is to achieve a better liquid mixing in the respective electrolysis chambers without external aids and with as uniform as possible membrane loading avoiding foam formation in the membrane region using a device (1) for the electrolytic treatment of liquids in an anodic (2) and a cathodic compartment (3) which are separated from one another by an ion exchanger membrane (4). The chambers (2, 3) are equipped with an inlet opening (5) and an outlet opening (6) for the flowing electrolyte and with one two-dimensional electrode in each case having associated power-supply terminals (8, 9). A strongly acidified anolyte solution can be fed to the membrane cell as feedstock without the ion exchanger membrane becoming inoperative prematurely. This is achieved by providing at least one separating element (10) having circulating flow in some areas to produce a defined mixing flow in each chamber (2, 3). <IMAGE>

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CPC (source: EP)

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