

Title (en)
ELECTROCHEMICAL CELL

Title (de)
ELEKTROCHEMISCHE ZELLE

Title (fr)
CELLULE ELECTROCHIMIQUE

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Application
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Abstract (en)
[origin: WO2005012596A1] The invention relates to an electrochemical cell for the electrolysis of an aqueous solution made of hydrogen chloride, containing at least one anode half cell provided with an anode, a cathode half cell provided with a gas diffusion electrode as a cathode and an ion exchanger membrane which is arranged between anode half cells and cathode half cells. The ion exchanger membrane is made of at least one perfluorosulphonic acid polymer. The gas diffusion electrode and the ion exchanger membrane are arranged together. The invention is characterised in that the gas diffusion electrode and the ion exchanger membrane have a contact surface of at least 50 %, in relation to the geometric surface, and are subjected to a pressure of 250 g/cm² and to a temperature of 60 DEG C.

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