

Title (en)

DEVICE AND METHOD FOR TREATING AQUEOUS SOLUTIONS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BEHANDLUNG WÄSSRIGER LÖSUNGEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRAITEMENT DE SOLUTIONS AQUEUSES

Publication

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Application

EP 12711472 A 20120131

Priority

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- NL 2012000011 W 20120131

Abstract (en)

[origin: WO2012112029A1] The invention essentially pertains to a device for the treatment of an aqueous solution by means of electrolysis and ultrasound. To that purpose, the device (1) comprises a flow chamber (2) through which the aqueous solution can be guided in a certain flow direction. The chamber (2) is provided with at least one pair of polarisable electrodes (6,7), at least one of the electrodes (6) being attached to an ultrasound transducer (5), which, upon activation, causes the electrode (6) to vibrate in a direction substantially perpendicular to the surface of the electrode. According to the invention the vibration direction of the electrode (6) is substantially parallel to the flow direction of the aqueous solution. This configuration improves the efficiency of treating an aqueous solution. Preferred are devices in which two transducers are used, which are designed in such manner that the resulting forces neutralize.

IPC 8 full level

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CPC (source: EP)

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See references of WO 2012112029A1

Citation (examination)

US 2009014393 A1 20090115 - JANSSEN ROBERT ALLEN [US], et al

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