

Title (en)

ELECTROLYSIS CELL, IN PARTICULAR FOR USE IN A PLANT FOR PRODUCING AN ELECTROCHEMICALLY ACTIVATED SODIUM CHLORIDE SOLUTION, AND PLANT HAVING A NUMBER OF SUCH ELECTROLYSIS CELLS

Title (de)

ELEKTROLYSEZELLE, INSBESONDERE ZUR VERWENDUNG IN EINER ANLAGE ZUR ERZEUGUNG EINER ELEKTROCHEMISCH AKTIVIERTEN KOCHSALZLÖSUNG, SOWIE ANLAGE MIT EINER ANZAHL DERARTIGER ELEKTROLYSEZELLEN

Title (fr)

CELLULE D'ÉLECTROLYSE, DESTINÉE À ÊTRE UTILISÉE EN PARTICULIER DANS UNE INSTALLATION PERMETTANT DE PRODUIRE UNE SOLUTION SALINE ACTIVÉE DE MANIÈRE ÉLECTROCHIMIQUE, ET INSTALLATION COMPRENANT UN CERTAIN NOMBRE DE CELLULES D'ÉLECTROLYSE DE CE TYPE

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EP 2847366 A1 20150318 (DE)

Application

EP 13725564 A 20130225

Priority

- EP 12001241 A 20120224
- EP 2013000540 W 20130225
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Abstract (en)

[origin: EP2631334A1] Electrolysis cell comprises an anode chamber (44) provided with an anode and a cathode chamber (42) provided with a cathode, and is separated from the anode chamber by a membrane (46), where the membrane is designed as a hollow ceramic cylinder surrounded by an outer housing (84), and the hollow ceramic cylinder and the outer housing are respectively mounted at the ends in a closure cap, which has a central bore (110) forming an entry channel to the interior of the hollow ceramic cylinder that forms the membrane, and an annular chamber that runs around the hollow ceramic cylinder. Electrolysis cell comprises an anode chamber (44) provided with an anode and a cathode chamber (42) provided with a cathode, and is separated from the anode chamber by a membrane (46), where the membrane is designed as a hollow ceramic cylinder surrounded by an outer housing (84), and the hollow ceramic cylinder forming the membrane and the outer housing surrounding the cylinder are respectively mounted at the ends in a closure cap, which has a central bore (110) forming an entry channel to the interior of the hollow ceramic cylinder that forms the membrane and an annular chamber that runs around the hollow ceramic cylinder and is connected to the inter-space between membrane and outer housing, on the media side. An independent claim is also included for a plant for producing an electrochemically activated salt solution based on water, comprising an electrolysis module, which comprises a number of electrolysis cells, where the anode chambers of the electrolytic cells are connected in series on the media side, and the cathode chambers of the electrolytic cells are connected parallelly on the media side.

IPC 8 full level

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CPC (source: EP US)

C02F 1/4674 (2013.01 - EP US); **C25B 1/26** (2013.01 - US); **C25B 9/63** (2021.01 - EP US); **C25B 13/02** (2013.01 - US); **C25B 13/04** (2013.01 - US); **C02F 2201/46115** (2013.01 - EP US)

Citation (search report)

See references of WO 2013124076A1

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