

Title (en)

ELECTROLYSER HAVING A SPIRAL INLET TUBE

Title (de)

ELEKTROLYSEUR MIT SPIRALFÖRMIGEM EINLAUSCHLAUCH

Title (fr)

ÉLECTROLYSEUR DOTÉ D'UN TUYAU D'ENTRÉE EN FORME DE SPIRALE

Publication

EP 2652176 B1 20150506 (DE)

Application

EP 11788370 A 20111115

Priority

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- EP 2011005738 W 20111115

Abstract (en)

[origin: WO2012079670A1] Electrolyser comprising at least one single electrolysis element which in each case comprises an anode half cell having an anode, a cathode half cell having a cathode and an ion-exchange membrane arranged between anode half cell and cathode half cell, where the anode and/or the cathode is a gas diffusion electrode and a gap is provided between the gas diffusion electrode and the ion-exchange membrane, where an electrolyte inlet is arranged above the gap and an electrolyte outlet and also a gas inlet and a gas outlet are arranged below the gap, where the electrolyte outlet opens into an outflow collection channel and where the electrolyte inlet is connected to an electrolyte stock vessel and has an overflow and the overflow is connected to the outflow collection channel, where a spiral tube is provided for connecting the electrolyte stock vessel and the electrolyte inlet and a spiral tube is provided for connecting the overflow to the outflow collection channel.

IPC 8 full level

C25B 9/08 (2006.01); **C25B 9/19** (2021.01); **C25B 9/23** (2021.01); **C25B 15/08** (2006.01)

CPC (source: EP KR US)

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