

Title (en)
HYDROGEN AND OXYGEN GENERATOR

Title (de)
WASSERSTOFF- UND SAUERSTOFFGENERATOR

Title (fr)
GÉNÉRATEUR D'HYDROGÈNE ET D'OXYGÈNE

Publication
EP 3186411 A4 20180221 (EN)

Application
EP 15836968 A 20150827

Priority
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• CA 2015050820 W 20150827

Abstract (en)
[origin: WO2016029315A1] A hydrogen and oxygen generator has two end plates, at least two electrode assemblies defining an electrolysis chamber therebetween and being disposed between the two end plates, and at least one fastener connecting the two end plates together. Each electrode assembly has a plate defining an electrode portion having a perimeter and defining inlet and outlet apertures, an inlet insulating grommet disposed in the inlet aperture and covering an edge thereof, an outlet insulating grommet disposed in the outlet aperture and covering an edge thereof, and an insulating band disposed around the electrode portion and covering an edge of the electrode portion defining the perimeter. The insulating bands of the at least two electrode assemblies abut each other. The inlet and outlet apertures of the at least two electrode assemblies fluidly communicate with the electrolysis chamber. An electrode assembly and a hydrogen and oxygen generation system are also disclosed.

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Citation (search report)
• [XII] CA 892733 A 19720208 - CHEMECH ENG LTD
• [A] WO 0198560 A2 20011227 - LEE JOHN [CA], et al
• See references of WO 2016029315A1

Designated contracting state (EPC)
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