

Title (en)  
FUEL CELL UNIT

Title (de)  
BRENNSTOFFZELLENEINHEIT

Title (fr)  
UNITÉ DE PILES À COMBUSTIBLE

Publication  
**EP 3981039 A1 20220413 (DE)**

Application  
**EP 20725466 A 20200507**

Priority  
• DE 102019208171 A 20190605  
• EP 2020062700 W 20200507

Abstract (en)  
[origin: WO2020244879A1] Fuel cell unit in the form of a fuel cell stack for producing electrical energy in an electrochemical manner, comprising fuel cells, the fuel cells each comprising a proton exchange membrane, an anode, a cathode, a gas diffusion layer, a bipolar plate, at least one fluid channel for the passage of a fluid, at least one seal (11) composed of a sealing material (42) for sealing off the at least one fluid channel (37), wherein particles (41) composed of a particle material (43) are arranged in the sealing material (42) of the at least one seal (11), for the purpose of extending the diffusion path (38) of the fluid which is sealed off by the at least one seal (11).

IPC 8 full level  
**H01M 8/02** (2016.01); **H01M 8/0273** (2016.01); **H01M 8/0282** (2016.01); **H01M 8/0284** (2016.01)

CPC (source: CN EP US)  
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Citation (search report)  
See references of WO 2020244879A1

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DOCDB simple family (publication)  
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