

Title (en)  
ELECTROCHEMICAL CELL

Title (de)  
ELEKTROCHEMISCHE ZELLE

Title (fr)  
CELLULE ELECTROCHIMIQUE

Publication  
**EP 1651799 B1 20150527 (DE)**

Application  
**EP 04740955 A 20040713**

Priority  
• EP 2004007713 W 20040713  
• DE 10333853 A 20030724

Abstract (en)  
[origin: WO2005012595A1] The invention relates to an electrochemical cell (1) at least comprising an anode half-cell (2) with an anode (21), a cathode half-cell (3) with a cathode (31), and an ion exchange membrane (4) that is disposed between the anode half-cell and the cathode half-cell. The anode and/or the cathode is/are embodied as a gas diffusion electrode. A gap (32) is located between the gas diffusion electrode and the ion exchange membrane while the half-cell encompassing a gas diffusion electrode is provided with an electrolyte inlet (33) and an electrolyte outlet as well as a gas inlet (35) and a gas outlet (36). The inventive electrochemical cell is characterized in that the electrolyte inlet is tightly connected to the gap.

IPC 8 full level  
**C25B 9/19** (2021.01); **C25B 9/23** (2021.01); **C25B 1/14** (2006.01); **C25B 1/46** (2006.01)

CPC (source: EP US)  
**C25B 9/19** (2021.01 - EP US)

Citation (examination)  
WO 2004040040 A1 20040513 - UHDE GMBH [DE], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005012595 A1 20050210**; CN 100549239 C 20091014; CN 1829825 A 20060906; DE 10333853 A1 20050224; EP 1651799 A1 20060503; EP 1651799 B1 20150527; HK 1097885 A1 20070706; JP 2006528730 A 20061221; JP 4680901 B2 20110511; TW 200519233 A 20050616; TW I351447 B 20111101; US 2005029116 A1 20050210; US 2011073491 A1 20110331

DOCDB simple family (application)  
**EP 2004007713 W 20040713**; CN 200480021473 A 20040713; DE 10333853 A 20030724; EP 04740955 A 20040713; HK 07102252 A 20070228; JP 2006520729 A 20040713; TW 93121980 A 20040723; US 89743004 A 20040723; US 95780510 A 20101201