

Title (en)

REDUCED SIZE FUEL CELL FOR PORTABLE APPLICATIONS

Title (de)

BRENNSTOFFZELLE MIT REDUZIERTEN ABMESSUNGEN FÜR TRAGBARE ANWENDUNGEN

Title (fr)

PILE A COMBUSTIBLE DE TAILLE REDUITE POUR APPLICATIONS PORTABLES

Publication

EP 1293007 A4 20061220 (EN)

Application

EP 01952871 A 20010613

Priority

- US 0140990 W 20010613
- US 21144400 P 20000613

Abstract (en)

[origin: WO0197314A1] A flat pack type fuel cell includes a plurality of membrane electrode assemblies. Each membrane electrode assembly is formed of an anode, and electrolyte, and a cathode with appropriate catalysts thereon. The anode is directly into contact with fuel via a wicking element. The fuel reservoir may extend along the same axis as the membrane electrode assemblies, so that fuel can be applied to each of the anodes. Each of the fuel cell elements is interconnected together to provide the voltage outputs in series.

IPC 8 full level

H01M 8/04 (2006.01); **H01M 4/86** (2006.01); **H01M 8/02** (2006.01); **H01M 8/24** (2006.01)

CPC (source: EP)

H01M 4/8626 (2013.01); **H01M 8/0247** (2013.01); **H01M 8/04186** (2013.01); **H01M 8/2404** (2016.02); **H01M 8/2418** (2016.02); **Y02E 60/50** (2013.01)

Citation (search report)

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- [PX] EP 1087455 A2 20010328 - TOSHIBA KK [JP]
- [Y] US 5534363 A 19960709 - SPROUSE KENNETH M [US], et al
- [X] JP S5966066 A 19840414 - HITACHI LTD
- See references of WO 0197314A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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