

Title (en)  
SOURCE OF CURRENT WITH SERIES CONNECTED CELLS

Title (de)  
STROMQUELLE MIT IN SERIE GESCHALTETEN ZELLEN

Title (fr)  
SOURCE DE COURANT DOTEE DE PILES MONTEES EN SERIE

Publication  
**EP 1155469 A1 20011121 (DE)**

Application  
**EP 00909036 A 20000215**

Priority  
• DE 0000462 W 20000215  
• DE 19907369 A 19990220

Abstract (en)  
[origin: DE19907369A1] The current source has a number of fuel cells (1) electrically connected in series, with a respective diode (2) connected in parallel across each fuel cell and providing a low ohmic resistance upon failure of the fuel cell, for preventing a short-circuit across the latter. An Independent claim for application of a current source in a portable electrical device is also included.

IPC 1-7  
**H01M 10/02**; **H01M 8/24**; **H01M 10/42**; **H01M 6/42**; **H01M 6/50**

IPC 8 full level  
**H02J 7/00** (2006.01); **H01M 8/02** (2016.01); **H01M 8/04223** (2016.01); **H01M 8/04664** (2016.01); **H01M 10/42** (2006.01); **H01M 8/249** (2016.01)

CPC (source: EP)  
**H01M 8/02** (2013.01); **H01M 8/04671** (2013.01); **H01M 10/4207** (2013.01); **H01M 8/249** (2013.01); **H01M 2250/20** (2013.01); **Y02E 60/10** (2013.01); **Y02E 60/50** (2013.01); **Y02T 90/40** (2013.01)

Citation (search report)  
See references of WO 0049673A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19907369 A1 20000824**; **DE 19907369 C2 20021212**; AU 3146400 A 20000904; CA 2398727 A1 20000824; EP 1155469 A1 20011121; JP 2002540555 A 20021126; WO 0049673 A1 20000824

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