

Title (en)  
CHARGEABLE ELECTROCHEMICAL CELL

Title (de)  
WIEDERAUFLADBARE ELEKTROCHEMISCHE ZELLE

Title (fr)  
CELLULE ELECTROCHIMIQUE CHARGEABLE

Publication  
**EP 1238437 A4 20061004 (EN)**

Application  
**EP 00956761 A 20000904**

Priority  
• IL 0000528 W 20000904  
• IL 13184299 A 19990909

Abstract (en)  
[origin: WO0118890A1] An electrochemical cell for batteries comprising one or more pairs of electrodes (6). The first electrode is comprised of a flexible electrically insulating and ion conducting envelope (5) which contains a flexible conducting substrate (1). The flexible conductor (1) can be made of a conductive material in the form of fabric or grid, inserted into an active material in granular or powder form (2). The second electrode is also a flexible electrically insulating envelope (5) containing an electrical conductor (1) inserted into a layer of an electrochemically complementary active material. The cell also contains a means for applying pressure (4) to the assembly of electrodes, the membrane separator, and the counterelectrodes so as to maintain contact between the active material particles and the conductor. The assembly also contains a suitable electrolyte; electrode connections are provided from each of the envelopes.

IPC 8 full level  
**H01M 10/02** (2006.01); **H01M 4/02** (2006.01); **H01M 4/76** (2006.01); **H01M 4/80** (2006.01); **H01M 4/86** (2006.01); **H01M 8/04** (2006.01); **H01M 10/04** (2006.01); **H01M 10/12** (2006.01); **H01M 10/28** (2006.01); **H01M 10/30** (2006.01); **H01M 10/32** (2006.01); **H01M 50/105** (2021.01); **H01M 50/457** (2021.01); **H01M 50/466** (2021.01); **H01M 50/489** (2021.01); **H01M 4/66** (2006.01); **H01M 6/10** (2006.01); **H01M 10/06** (2006.01); **H01M 50/50** (2021.01)

CPC (source: EP US)  
**H01M 4/02** (2013.01 - EP); **H01M 4/76** (2013.01 - EP); **H01M 10/28** (2013.01 - EP); **H01M 50/105** (2021.01 - EP US); **H01M 50/457** (2021.01 - EP US); **H01M 50/466** (2021.01 - EP US); **H01M 50/489** (2021.01 - EP US); **H01M 4/663** (2013.01 - EP); **H01M 6/10** (2013.01 - EP); **H01M 10/06** (2013.01 - EP); **H01M 10/12** (2013.01 - EP); **H01M 50/50** (2021.01 - EP US); **H01M 2004/021** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)  
• [X] US 4215186 A 19800729 - JAEGER BEN E [US]  
• [A] US 5738955 A 19980414 - GARDNER THOMAS N [US], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 281 (E - 286) 21 December 1984 (1984-12-21)  
• See references of WO 0118890A1

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

DOCDB simple family (publication)  
**WO 0118890 A1 20010315**; AU 6862300 A 20010410; CN 100449821 C 20090107; CN 1373909 A 20021009; EP 1238437 A1 20020911; EP 1238437 A4 20061004; IL 131842 A0 20010319; IL 131842 A 20070308; JP 2003509818 A 20030311; KR 100861098 B1 20080930; KR 20020059392 A 20020712; RU 2264004 C2 20051110

DOCDB simple family (application)  
**IL 0000528 W 20000904**; AU 6862300 A 20000904; CN 00812677 A 20000904; EP 00956761 A 20000904; IL 13184299 A 19990909; JP 2001522612 A 20000904; KR 20027003109 A 20020308; RU 2002109441 A 20000904