

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
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CPC (source: EP US)
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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

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