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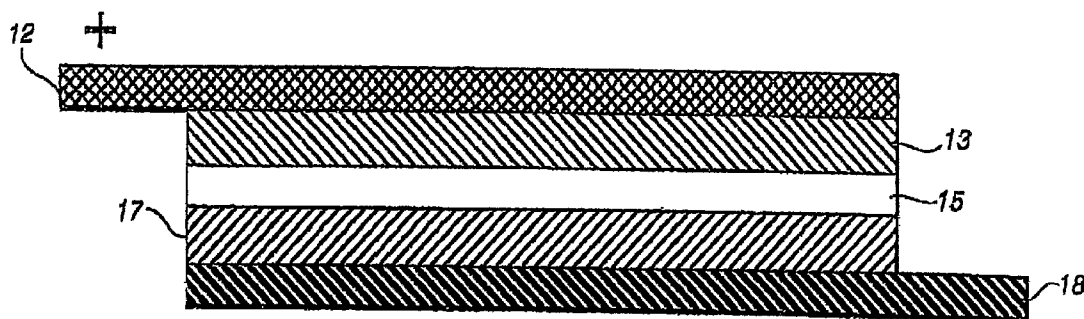
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROCHEMICAL CELL HAVING "IN SITU GENERATED" COMPONENT



(57) Abstract: An electrochemical cell having a solid polymer separator/electrolyte (15) whose ion conductivity is markedly increased by in situ generation of a fluid acidic anhydride. The electrochemical cell comprises a solid polymer electrolyte (15), an anode (17) of an alkali or alkaline earth metal such as lithium and a cathode (13) containing the lithium or other alkali or alkaline earth metal salt of the acid anhydride to be electrochemically generated in addition to the main active material. The salt has the formula $MAxOy$ where M is an alkali or alkaline earth metal such as lithium and A is a non-metallic element such as sulphur, nitrogen, carbon or phosphorus $0.3 \leq x \leq 2.0$ and $1.3 \leq y \leq 4$. The electrochemical cell has a much improved rate capability and low temperature performance, but no liquid constituents are required for assembly of the cell.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M10/36 H01M6/18 H01G9/04 H01M4/62 H01M4/02
H01M10/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M H01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 143 549 A (SONY CORPORATION) 10 October 2001 (2001-10-10) page 3, paragraph 16 page 4, paragraph 27 - paragraph 29 page 4, paragraph 33 - page 5, paragraph 35 page 15, paragraph 118 - page 17, paragraph 138 ----- -/--	1-4, 11-14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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