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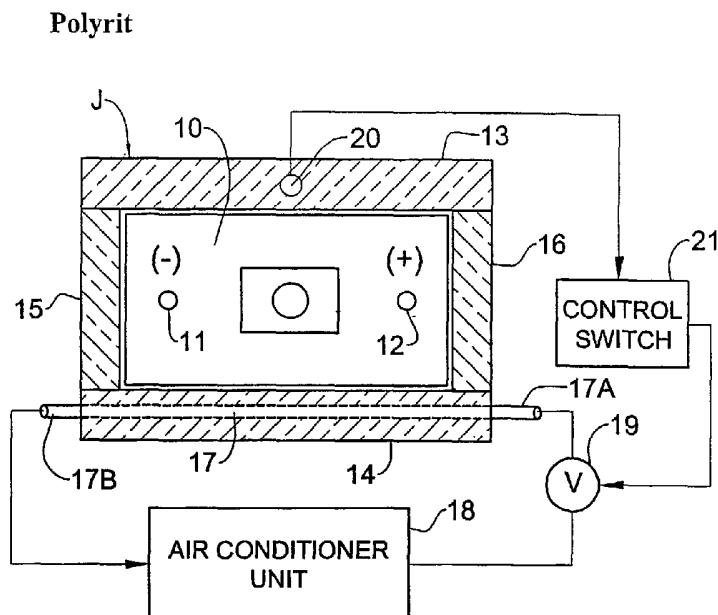
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[Continued on next page]

(54) Title: THERMAL JACKET FOR BATTERY



(57) Abstract: A thermal jacketed (J) adapted to accommodate and cool a storage battery (10) placed in the engine compartment of an automobile and exposed to heat at elevated temperatures emanating from the engine. The walls (13, 14, 15, 16) of the rectangular jacket are formed of rigid, foam-plastic material which thermally isolate the battery from the engine. Embedded in a wall of the jacket is a heat exchanger (17) in which there is circulated a refrigerant fluid derived from the air conditioner (18) installed in the vehicle. The heat exchanger acts to cool the battery to maintain the temperature of the electrolyte therein at a level at which the battery operates at optimal efficiency.



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8 April 2004

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.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M2/10 F16L59/00 B60H1/00 B60K1/04 H01M10/50

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 F16L B60H B60K

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 676 818 A (LONGCHAMP DANIEL) 11 October 1995 (1995-10-11) column 2, line 6 - line 7; figure 2 ---	1-3
Y	DE 196 48 353 A (BAYERISCHE MOTOREN WERKE AG) 28 May 1998 (1998-05-28) claims 1-6; figure 1 ---	1-3
A	US 6 042 961 A (VERHOOG ROELOF ET AL) 28 March 2000 (2000-03-28) claims 1-20 -----	1-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- * & * document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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