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(71) Applicant (for all designated States except US):
MIDTRONICS, INC. [US/US]; 7000 Monroe Street,
Willowbrook, IL 60527 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KLANG, James, K.
[US/US]; 1911 Kingsbrook Court, Wheaton, IL 60187
(US).

(74) Agents: REGO, Alan, G. et al.; WESTMAN, CHAM-
PLIN & KELLY, P.A., 900 Second Avenue South, Suite
1400, Minneapolis, MN 55402-3319 (US).

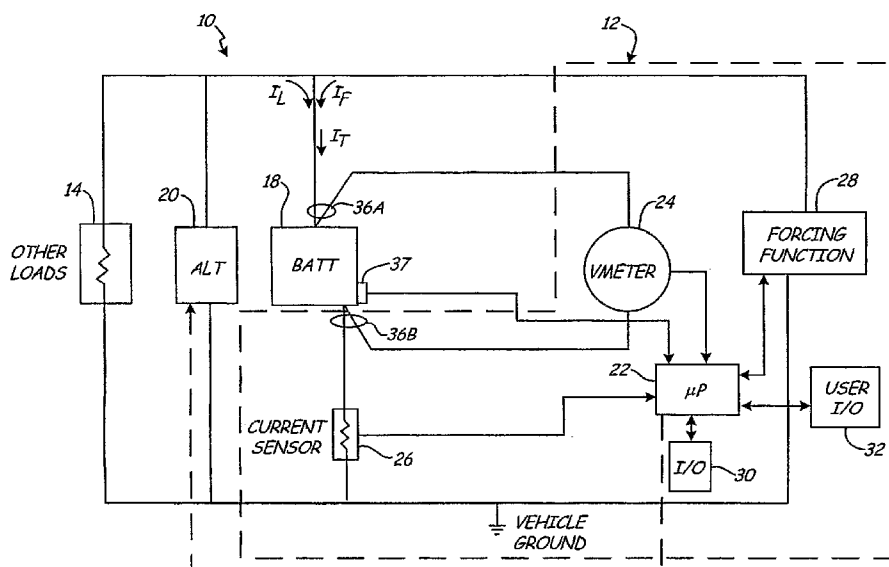
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(54) Title: BATTERY MONITORING SYSTEM



(57) Abstract: A battery monitoring system (BMS) (12), which utilizes a minimum amount of input data (time, voltage, current, temperature and conductance, for example) to periodically determine a vehicle battery status or condition is provided. The BMS (12) combines electronic hardware and software to give logical and critical data to assess and control a battery-based electrical system. The BMS (12) can include processing circuitry (a microprocessor (22), for example), which is coupled to a voltage sensor (24), a current sensor (26), a temperature sensor (37), etc., that provide the necessary input data for the microprocessor (22), which executes program code, to determine the vehicle battery status or condition. A method of monitoring a battery in an operating vehicle is also provided.

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 USPC - 324/426
 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)
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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 practicable, search terms used)
 MicroPatent, IP.com, GooglePatents

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,469,512 B2 (SINGH et al) 22 October 2002 (22.10.2002) entire document	1-20
A	US 6,144,185 A (DOUGHERTY et al) 07 November 2000 (07.11.2000) entire document	1-20

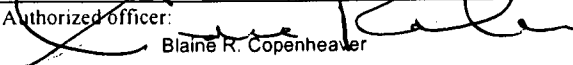
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Name and mailing address of the ISA/US
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