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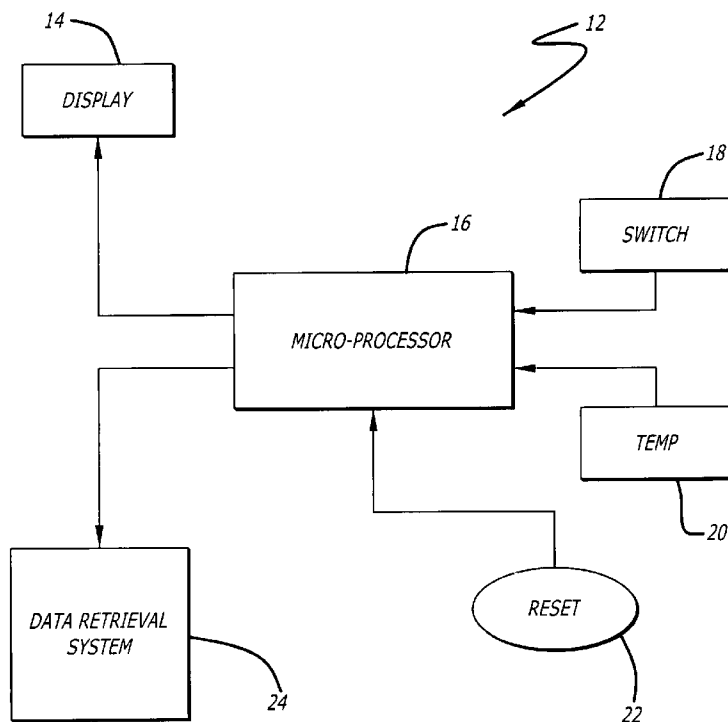
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[Continued on next page]

(54) **Title:** SYSTEM FOR REDUCING CARBON BRAKE WEAR

FIG. 1



(57) **Abstract:** A brake monitoring system is described for use on aircraft having carbon brakes. The system displays the number of times the brakes have been applied in a preselected counting interval such as during each takeoff and landing cycle. By raising the pilot's awareness of the number of times the brakes have been applied, a more efficient brake use is encouraged in view of the knowledge that carbon brake wear is substantially a function of the number of applications rather than the total energy that is converted thereby. Additionally, the monitoring system provides an indication of the temperature of the brakes which encourages the pilot to maintain a minimum temperature therein beyond which wear is reduced.

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A. CLASSIFICATION OF SUBJECT MATTER IPC: G06G 7/00 (2006.01),7/76(2006.01) USPC: 701/70;73/1 21;340/52 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) U.S. : 701/70;73/121 ;340/52 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched N/A Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓	US 6,478,252 A (STIMSON ET AL) 12 November 2002 (12.11.2002), column 1 lines 39-41, column 4 lines 9-20, and column 3 lines 22-26.	1-15
✓	US 5,845,975 A (WELLS) 08 December 2 1998 (08.12.1998), column 1 lines 52-59.	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.-		
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Continuation of B. FIELDS SEARCHED Item 3:

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search terms: hydraulic, carbon brake, aircraft, count, application, brake pedal, temperature