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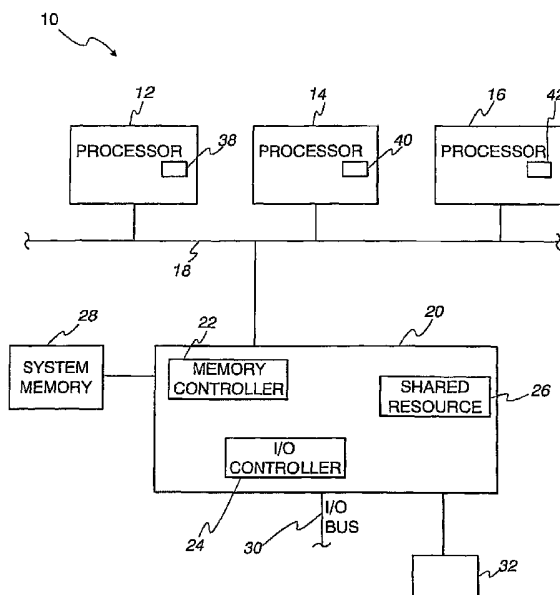
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **WEIGHTED PROCESSOR SELECTION APPARATUS AND METHOD FOR USE IN MULTIPROCESSOR SYSTEMS**



(57) Abstract: A multiprocessor system (10) includes an interconnection network (18), a shared resource (26) coupled to the interconnection network and a plurality of processors (12, 14, 16) coupled to each other and the shared resource via the interconnection network. The processors are programmed to associate a weighted value with each of the plurality of processors, compare the weighted values and select at least one of the processors from the plurality of processors based on the comparison of the weighted values.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18836

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 9/44, 15/177
US CL : 713/1, 713/2, 713/100

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. : 713/1, 713/2, 713/100

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,009,521 A (HUANG) 28 December 1999 (28.12.1999), column 4 lines 6-39.	1-46
Y	US 5,867,702 A (LEE) 02 February 1999 (02.02.1999), column 1 line 63 through column 2 line 39.	1-46
Y,T	US 6,584,560 B1 (KROUN et al) 24 June 2003 (24.06.2003), column 5 lines 29-62.	1-46
Y,T	US 6,611,911 B1 (O'Shea et al) 26 August 2003 (26.08.2003), column 8 line 46 through column 10 line 34	1-46

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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