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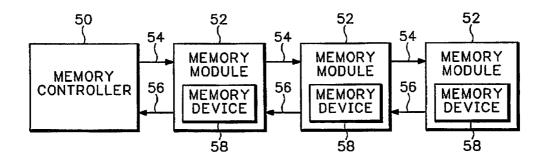
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(54) Title: MEMORY MODULE ARCHITECTURE DAISY CHAIN TOPOLOGY DETECTS AND REPORTS PRESENCE OF OUTER MEMORY MODULE TO INNER MODULE



(57) Abstract: A memory agent may include a first port and a second port, wherein the memory agent is capable of detecting the presence of another memory agent on the second port. A method may include performing a presence detect operation on a first port of a memory agent, and reporting the results of the presence detect operation through a second port of the memory agent.





INTERNATIONAL SEARCH REPORT

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A. CLASSIFIC	CATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{IPC} & 7 & \text{G06F} \end{array}$

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

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 2002/144173 A1 (JEDDELOH JOSEPH) 3 October 2002 (2002-10-03) figures 1,5 paragraphs '0003!, '0019!, '0026!, '0033!	1-20
X	EP 0 462 786 A (DELL USA CORP) 27 December 1991 (1991-12-27) abstract column 9, line 12 - line 28; figure 5	1-5, 12-14, 17,18,20
A	EP 0 522 696 A (IBM) 13 January 1993 (1993-01-13) abstract column 1, line 29 - line 57	1-20

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 Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the International filling date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filling date but later than the priority date claimed 	 '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 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an invention or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family 		
Date of the actual completion of the international search 26 November 2004	Date of mailing of the International search report $06/12/2004$		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Juenger, B		

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