



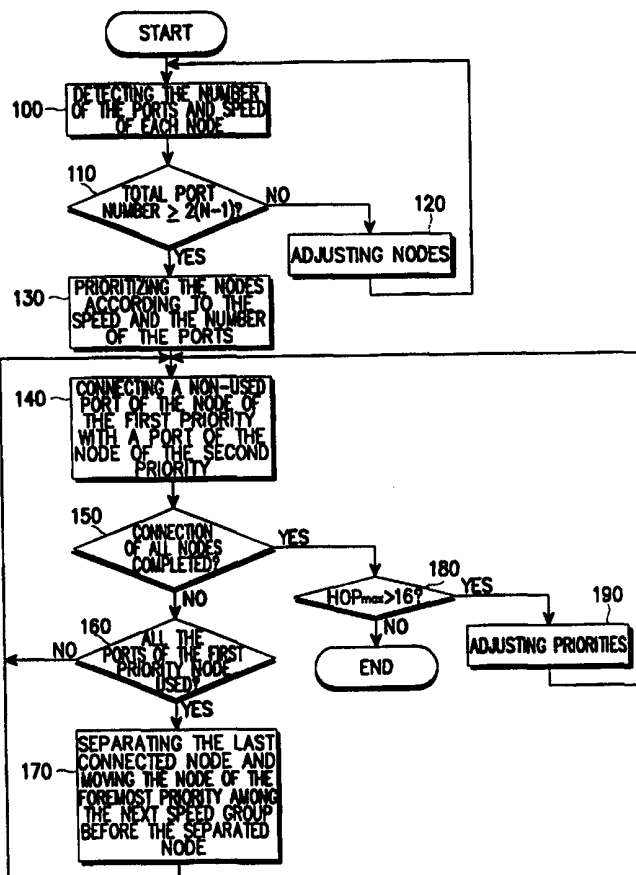
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G06F 13/14, 13/00, 13/28, 13/20, 13/18, 13/26, 13/30, 13/36	A3	(11) International Publication Number: WO 99/64943 (43) International Publication Date: 16 December 1999 (16.12.99)
(21) International Application Number: PCT/KR99/00291 (22) International Filing Date: 12 June 1999 (12.06.99) (30) Priority Data: 1998/21903 12 June 1998 (12.06.98) KR (71) Applicant (for all designated States except US): SAMSUNG ELECTRONICS CO., LTD. [KR/KR]; 416, Maetan-dong, Paldal-gu, Suwon-shi, Kyungki-do 442-370 (KR). (72) Inventors; and (75) Inventors/Applicants (for US only): CHEN, Wei [CN/KR]; Chamshiljugong Apt. #270-402, Chamshil-dong, Songpa-gu, Seoul 138-220 (KR). LEE, Yun, Gik [KR/KR]; 326-2, Tangsan-dong 6-Ga, Yongdungpo-gu, Seoul 150-040 (KR). (74) Agent: LEE, Keon, Joo; Mihwa Building, 110-2, Myongryun-dong 4-Ga, Chongro-gu, Seoul 110-524 (KR).		(81) Designated States: CN, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 22 June 2000 (22.06.00)

(54) Title: METHOD OF OPTIMIZING THE TOPOLOGY OF THE IEEE 1394 SERIAL BUS

(57) Abstract

A method of optimizing the topology of the IEEE 1394 serial bus having a plurality of nodes each with communication ports, comprises the steps of prioritizing the nodes according to the number of the ports and the transmission speed, connecting a non-used port of the node of the first priority with a port of the node of the second priority, and repeating the previous step until all of the nodes are connected together, whereby the nodes are connected through the ports according to priority order.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 99/00291

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: G06F 13/14, 13/00, 13/28, 13/20, 13/18, 13/26, 13/30, 13/36

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)

IPC⁷: G06F 13/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0827062 A1 (SONY CORP) 04 March 1998 (04.03.98), fig. 5; abstract; claims 1,3; column 2, line 26 - column 3, line 37.	1-5
A	WO 98/11713 A2 (SONY TRANSCOM INC.) 19 March 1998 (19.03.98), fig. 5; 13; abstract; claims 1, 15; page 4, line 12 - line 25.	1-5
A	WO 98/11685 A2 (SONY TRANSCOM INC.) 19 March 1998 (19.03.98), abstract; fig. 7,8,11,12; claims 1, 5 page 4, line 3 - line 27.	1

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

☒ See patent family annex.

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Date of the actual completion of the international search

05 April 2000 (05.04.00)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 99/00291

Patent document cited in search report				Publication date		Patent family member(s)		Publication date
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