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(54) **Digital data processing device, bus controlling method, bus controlling program and recording medium**

(57) It is an object to restore states of isochronous resources and logic plugs to normal states when failures occur in release of the isochronous resources and disconnection of the logic plugs. Information of isochronous resources and logic plugs of which release have been failed is managed as a table, a disconnection processing

for connections is repeated till the connections are disconnected according to the table, and when disconnection cannot be effected even after repetition of a disconnection processing, a bus reset is generated to restore the bus to a normal state.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	EP 1 113 625 A2 (NIPPON ELECTRIC CO [JP]) 4 July 2001 (2001-07-04) * abstract * * paragraph [0001] - paragraph [0054] * * paragraph [0079] - paragraph [0153] * * figures 1-31 * * claims 1-27 * -----	1-10	INV. G06F13/40 H04N5/00
Y	US 5 594 922 A (SUZUKI YOSHIO [JP] ET AL) 14 January 1997 (1997-01-14) * abstract * * figures 1-13 * * column 1, line 1 - column 5, line 7 * -----	1-10	
X	WO 00/26876 A (SONY ELECTRONICS INC [US]) 11 May 2000 (2000-05-11) * abstract * * claims 1-18 * * page 1, line 1 - page 19, line 15 * * page 23, line 1 - page 34, line 25 * * figures 1-9 * -----	8-10 1-7	
A	EP 1 063 596 A (NIPPON ELECTRIC CO [JP]) 27 December 2000 (2000-12-27) * abstract * * paragraph [0001] - paragraph [0028] * * claims 1,15-17 * * figures 1-8 * -----	1-10	TECHNICAL FIELDS SEARCHED (IPC) G06F H04L
A	EP 1 089 497 A2 (NIPPON ELECTRIC CO [JP]) 4 April 2001 (2001-04-04) * the whole document * -----	1-10	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 May 2007	Examiner PANEDA FERNANDEZ, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 02 25 8643

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-05-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1113625	A2	04-07-2001	DE 60026440 T2	17-08-2006
			JP 3454217 B2	06-10-2003
			JP 2001189741 A	10-07-2001
			US 2001007118 A1	05-07-2001

US 5594922	A	14-01-1997	JP 3241911 B2	25-12-2001
			JP 7160618 A	23-06-1995

WO 0026876	A	11-05-2000	AU 1240000 A	22-05-2000
			US 6169725 B1	02-01-2001

EP 1063596	A	27-12-2000	CN 1279429 A	10-01-2001
			JP 3289707 B2	10-06-2002
			JP 2001007827 A	12-01-2001
			KR 20010015057 A	26-02-2001
			US 6529977 B1	04-03-2003

EP 1089497	A2	04-04-2001	JP 3449313 B2	22-09-2003
			JP 2001103085 A	13-04-2001
			KR 20010050685 A	15-06-2001
			US 6920509 B1	19-07-2005
