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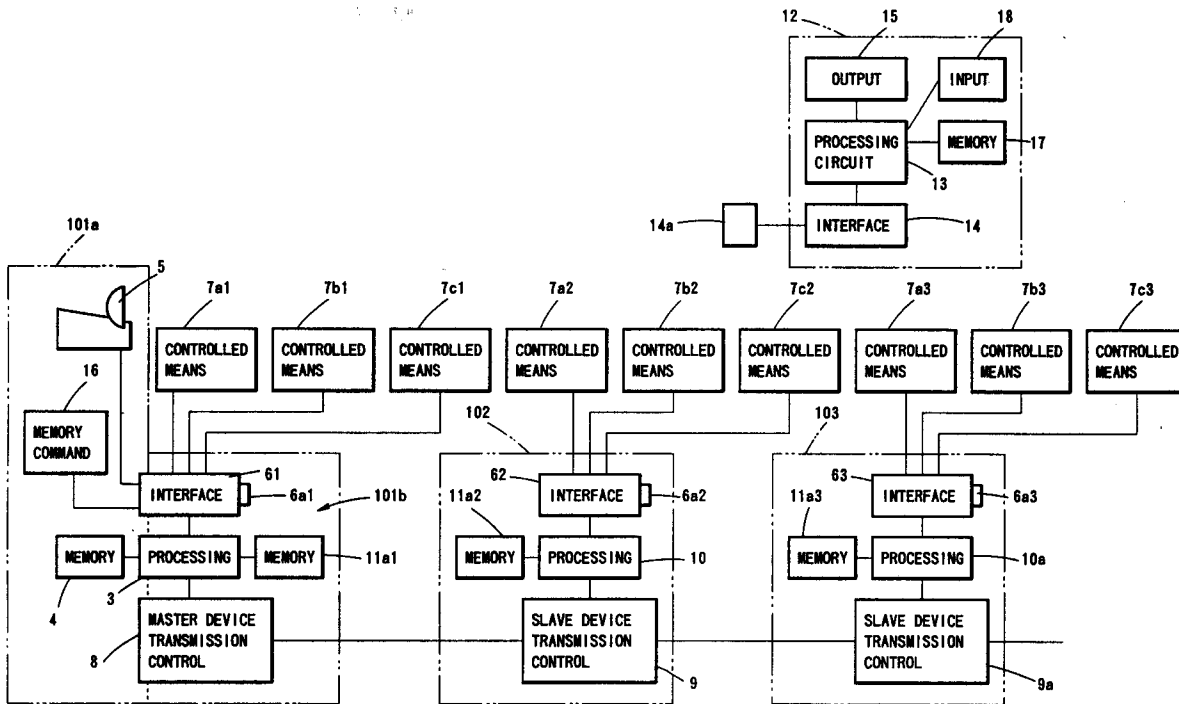
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Friedrichstrasse 31
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(57) A monitoring device for multiplex transmitters preferably used for composed vehicles accurately monitors abnormal condition of slave devices regardless of erroneous multiplex data communication between a master device (101) and the slave devices (102,103). The monitoring device according to the present invention comprising: a master device; a plurality of slave devices multiply communicated with the master device; control means (8,9) connected to the plurality of slave devices each, the controlled means (7) controlled by command signals from the master device; master memory (4) provided to the master device for sequentially storing the command signals transmitted to the plurality of slave devices and state signals indicating condition of the

controlled means of the slave device each; slave memories (11a) each provided to the plurality of slave devices each for sequentially storing command signals received by the slave devices and the state signals indicating condition of the slave device, timing signals generated in the master device, the timing signals transmitted to the slave memories each, the timing signals stored in the master memory and the slave memories each according to stored content of the master memory and the slave memories each; and a memory output means (12) for reading out and displaying the command signals and timing signals stored in the master device and the received command signals, the state signals, and timing signals stored in the slave memories.

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EUROPEAN SEARCH REPORT

Application Number

EP 91 11 5946

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	EP-A-0 200 535 (DEVELCO, INC.) * the whole document * ---	1, 3-5	G08C25/00 G08C15/06 G08C25/04
Y	SOFTWARE AND MICROSYSTEMS, vol. 3, no. 5&6, October 1984, LONDON GB pages 122 - 130; J. LUCAS ET AL: 'MICROPROCESSOR SWITCHING AND CONTROL OF ELECTRICAL EQUIPMENT ON A SUBMERSIBLE COMPRESSION CHAMBER' * page 124, left column, line 22 - page 125, right column, line 28; figures 4, 5 * ---	1, 3-5	
Y	FR-A-2 576 439 (SEREG) * page 6, line 28 - page 11, line 6; figures 3, 4 * -----	1, 3-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G08C H04Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 APRIL 1992	Examiner WANZEELE R. 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	