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(54) APPARATUS AND METHOD OF RECEIVING DATA FROM AUDIO/VIDEO EQUIPMENT

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U.S.C. 154(b) by 218 days.

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(30) Foreign Application Priority Data

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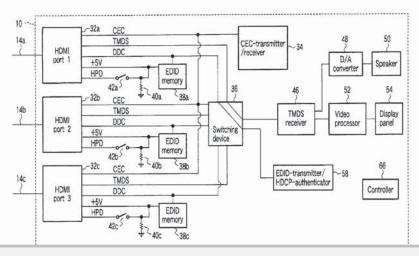
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(57) ABSTRACT

According to one embodiment, a data receiver apparatus comprises input ports complying with a digital interface standard, wherein each input port comprises a voltage signal terminal receiving a prescribed voltage signal, a detection terminal outputting a connection detection signal, a data input terminal receiving a data signal, and an address terminal transmitting a physical address. A nonvolatile memory is connected to the address terminal. A connection detection signal output from the detection terminal is set to a detection-state voltage irrespective of whether the data input terminal is selected.

9 Claims, 4 Drawing Sheets





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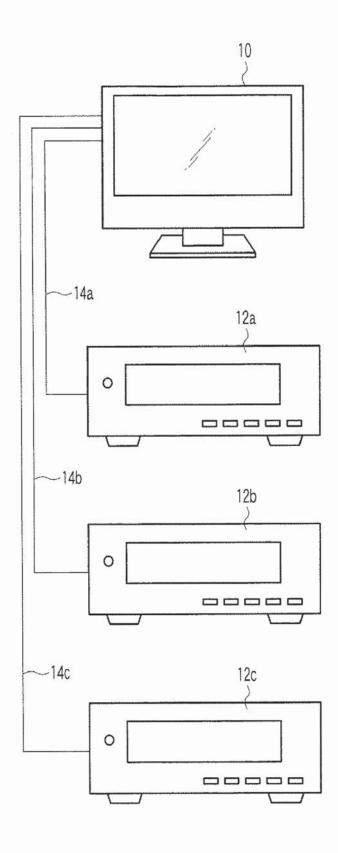
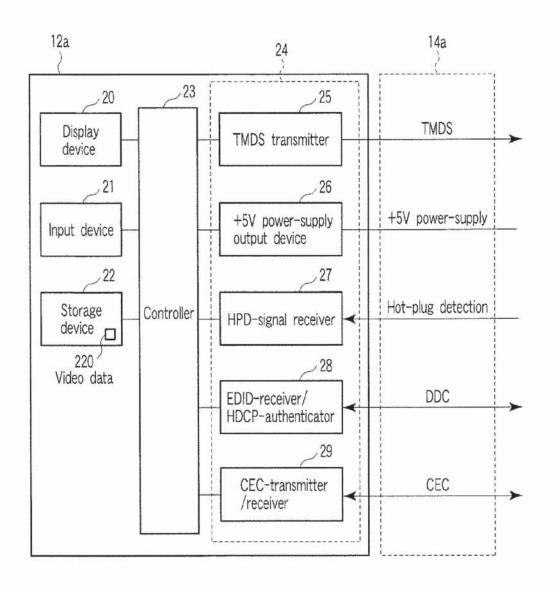


FIG.1

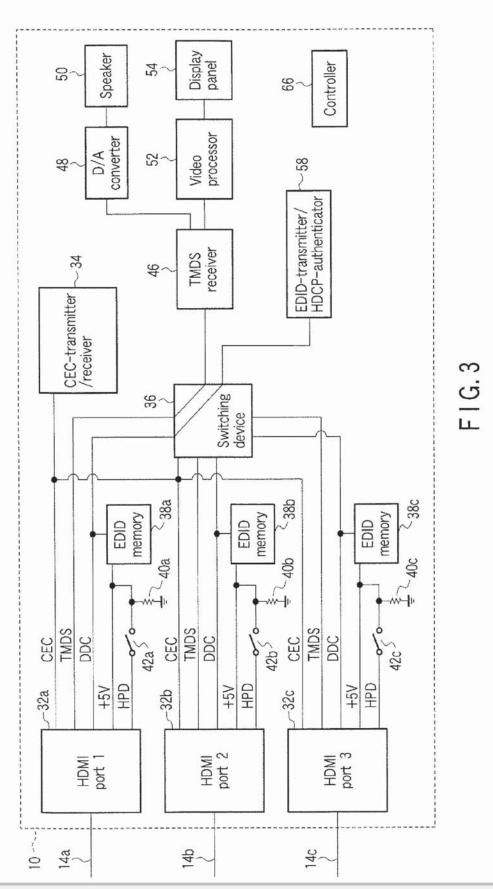




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State of the sink apparatus	Standby	On	
Terminals of the sink apparatus		HDMI not selected	HDMI selected
HPD potential	High	High	High
EDID reading	OK	OK	OK
HDCP authentication	NG	NG	OK
TMDS potential	Low	Low	High

FIG.4

Switching device 36	Port 1	Port 2	Port 3
FIG.5A			1 1 1 1 1
HPD terminal of HDMI port 1	High		
HPD terminal of HDMI port 2	Hìgh	Low	
HPD terminal of HDMI port 3	High	500 °C 4744	Low



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