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(12) United States Patent Ohkita

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

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- (58) Field of Classification Search None See application file for complete search history.

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(45) Date of Patent: May 17, 2011

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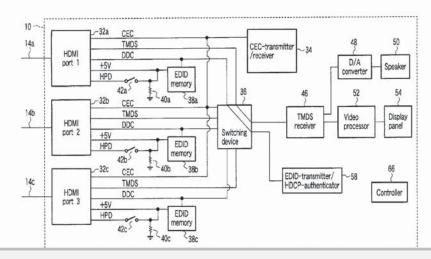
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(57)ABSTRACT

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 detectionstate voltage irrespective of whether the data input terminal is selected.

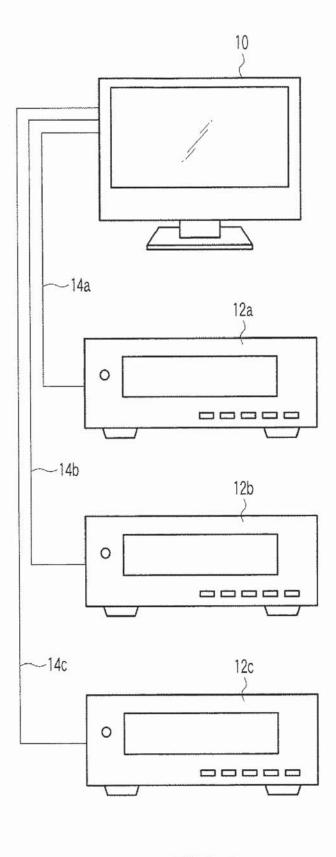
9 Claims, 4 Drawing Sheets



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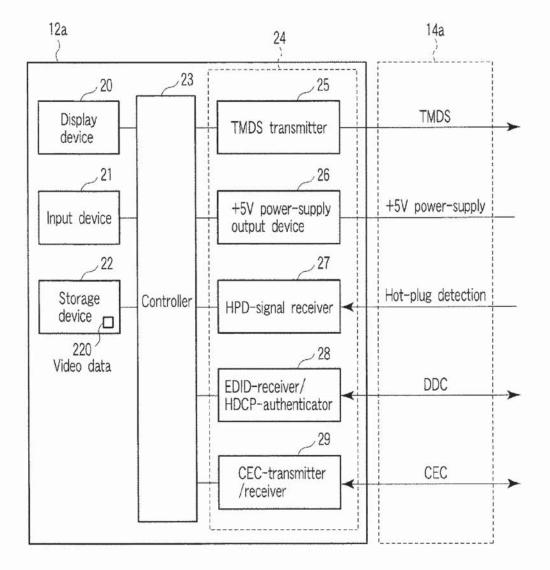


FIG.2

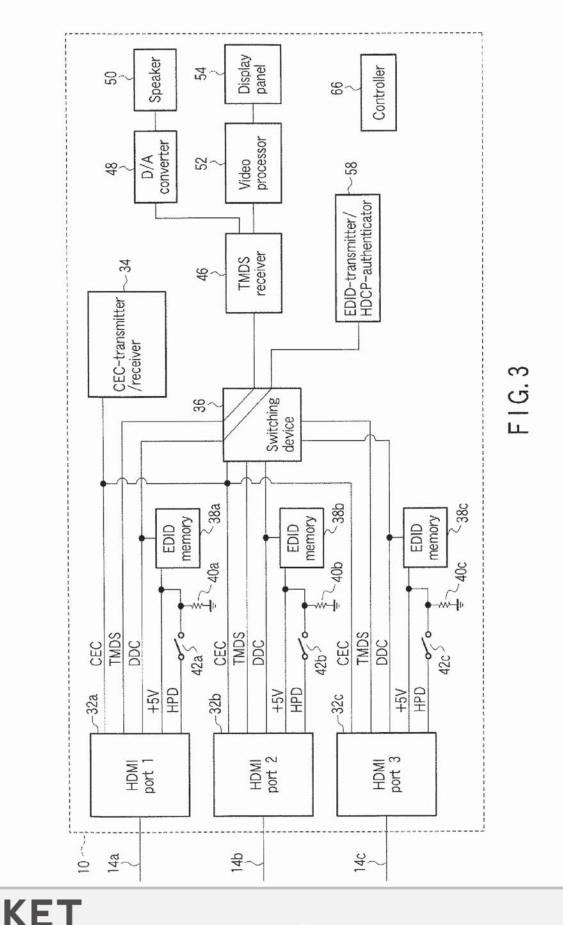
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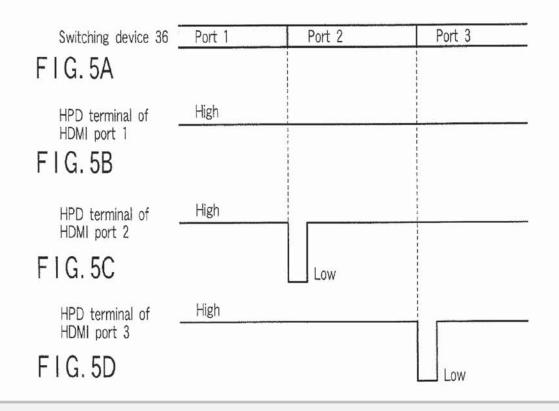
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State of the sink apparatus	Ctandby	On		
Terminals of the sink apparatus	Standby	HDMI not selected	HDMI selected	
HPD potential	High	High	High	
EDID reading	OK	OK	OK	
HDCP authentication	NG	NG	OK	
TMDS potential	Low	Low	High	

FIG. 4



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