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(54) Title: TRAINABLE TRANSCEIVER FOR TRAINING AND CONTROLLING MULTIPLE FUNCTIONS WITH A SINGLE CHANNEL

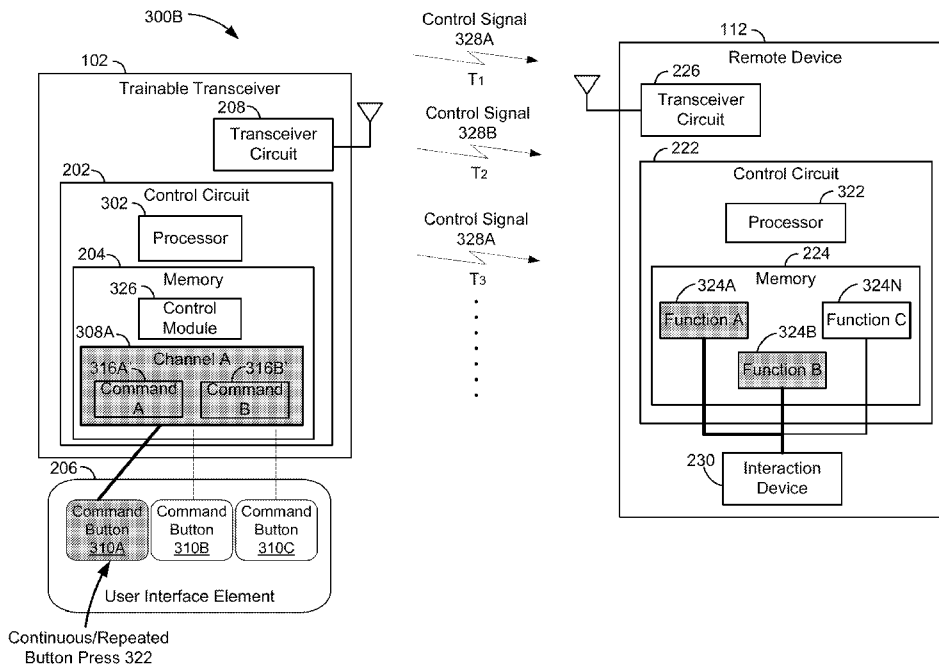


FIG. 3B

(57) Abstract: The present disclosure is directed to systems and methods training and controlling multiple functions of a remote device with a single transceiver channel. A trainable transceiver may detect a button, press a command button corresponding to a channel. The trainable transceiver may identify the channel as trained to control a first function of the remote device. The trainable transceiver may determine that a second function of the remote device satisfies a message similarity condition with the first function. The trainable transceiver may train the channel to control both the first function and the second function, responsive to determining that the second function satisfies the message similarity condition with the first function. The trainable transceiver may configure the command button to transmit control signals to alternately actuate the first function and the second function of the remote device responsive to successive button presses.



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B. FIELDS SEARCHED

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G06F 3/00-17/30, G08C 13/00-19/00, G07C 3/00-11/00

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatSearch (RUPTO internal), USPTO, PAJ, K-PION, Esp@cenet, Information Retrieval System of FIPS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2015/0364033 A1 (GENTEX CORPORATION) 17.12.2015, abstract, paragraphs [0002],[0015],[0018], [0021]-[0023], [0041]-[0042], [0049], [0050]-[0053], [0066]-[0069], [0085]-[0088], claims 12,13	1-17, 19, 20
Y		18
Y	US 5442340 A (KURT A. DYKEMA) 15.08.1995, col. 9, line 63-col.10, line 22, fig.5a, 5b	18
A	US 2010/0301999 A1 (GRANT B.CARLSON) 02.12.2010	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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