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**Arling et al.**

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(54) **SYSTEM AND METHOD FOR MONITORING  
REMOTE CONTROL TRANSMISSIONS**

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(\* ) Notice: Subject to any disclaimer, the term of this  
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**Related U.S. Application Data**

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filed on Jun. 25, 2003, now Pat. No. 7,005,979.

(51) **Int. Cl.**  
**G08B 1/08** (2006.01)

(52) **U.S. Cl.** ..... **340/539.1; 340/825.22;**  
**340/815.4; 370/394**

(58) **Field of Classification Search** ..... 340/539.1,  
340/825.72, 825.22, 825.69, 825.57, 825.56,  
340/825.27, 815.4; 370/394

See application file for complete search history.

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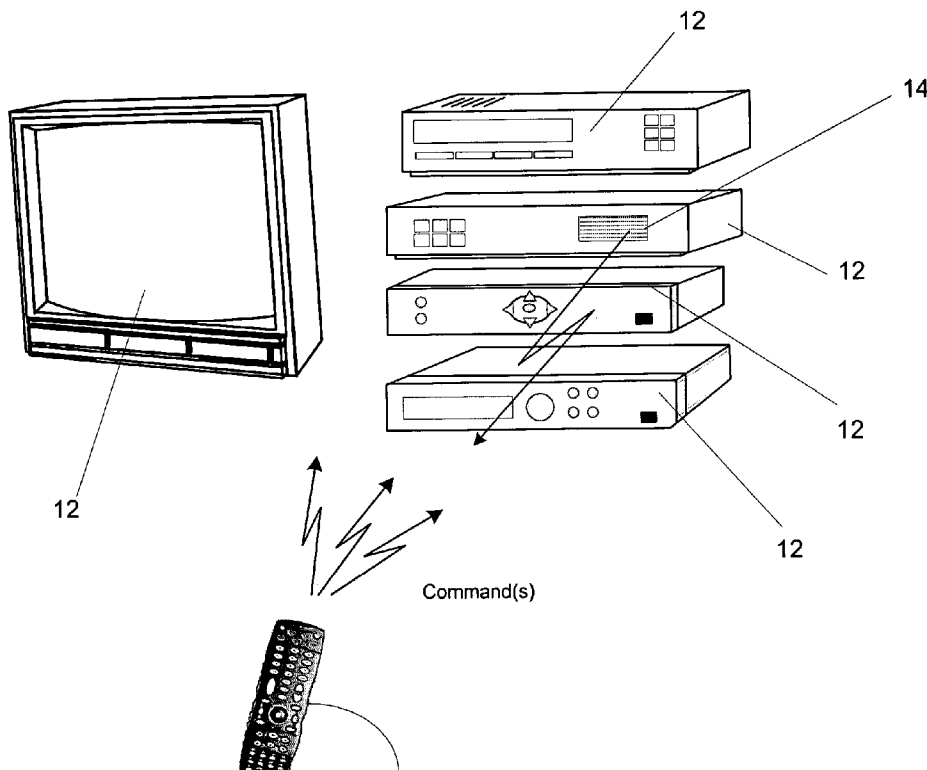
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(57) **ABSTRACT**

A remote control transmission monitoring system. The system monitors remote control transmissions for the purpose of updating state tables for one or more remotely controllable appliances. The state tables may then be queried for the purpose of determining the present state of an appliance whereby the transmission of a command that would place an appliance in an unintended state may be avoided.

**64 Claims, 9 Drawing Sheets**



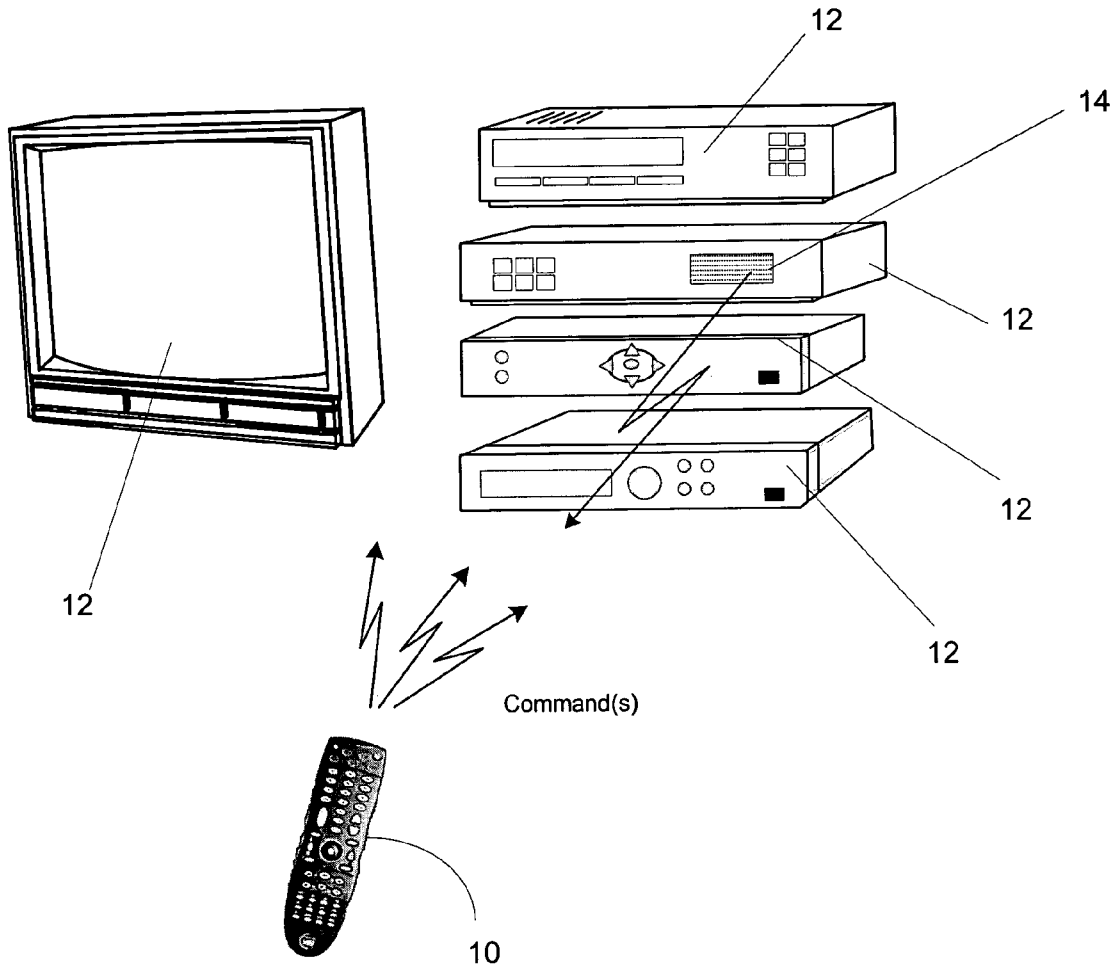


FIGURE 1

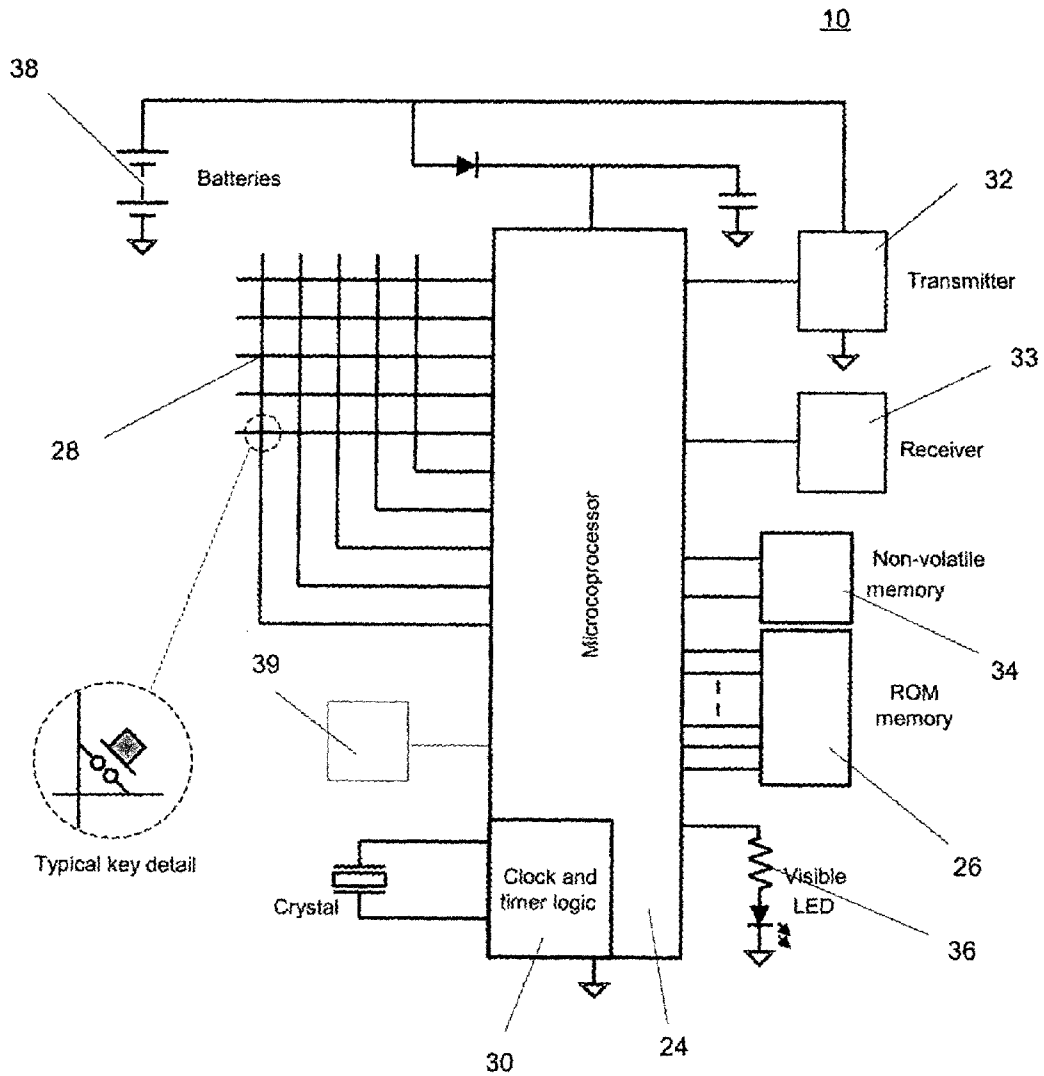


FIGURE 2

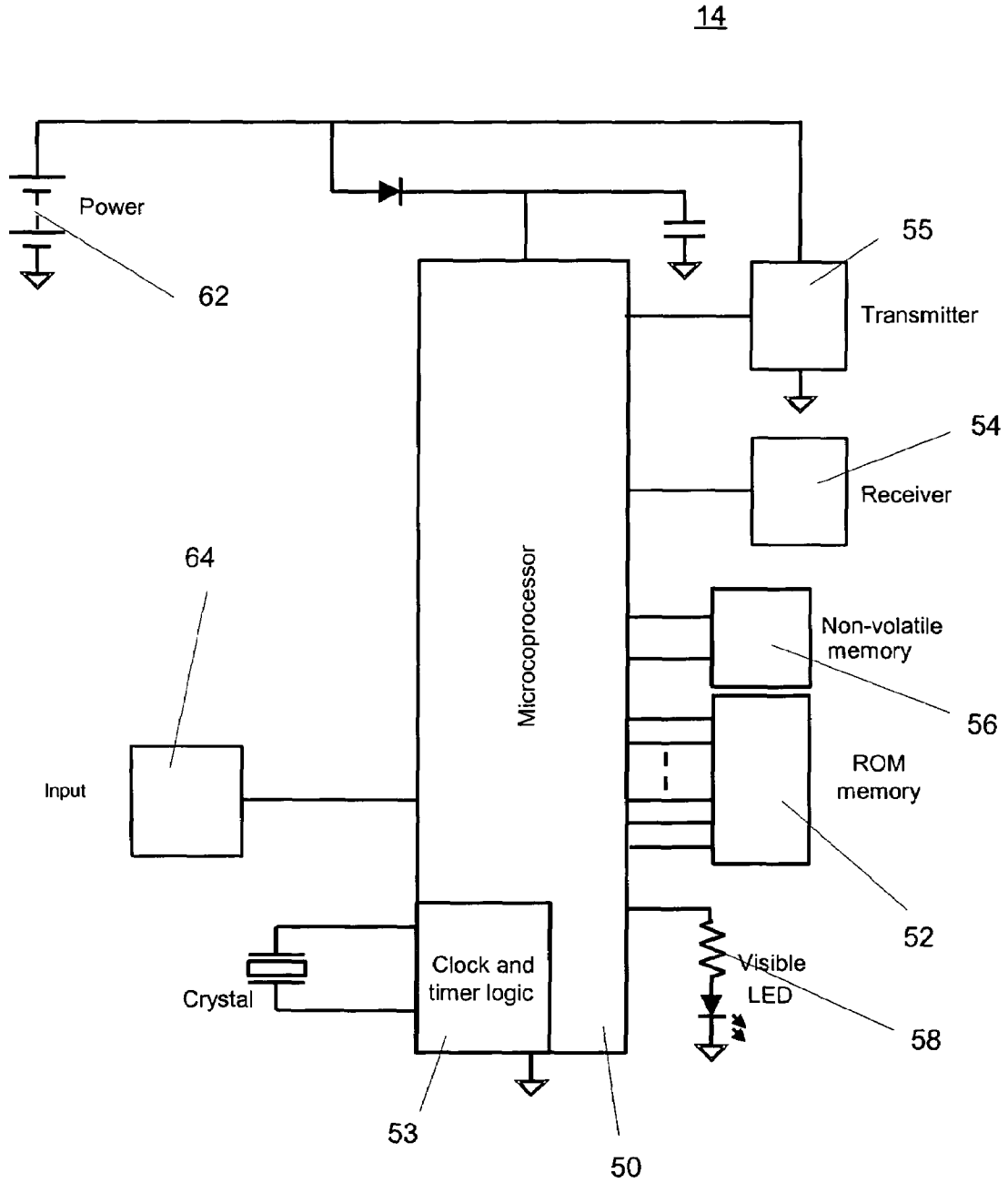


FIGURE 3

TV device (function)	State
power	1 ("on")
volume	6 ("volume up activated 6Xs")
mute	0 ("off")
.	
.	
.	

VCR device (function)	State
power	0 ("off")
play	1 ("on")
FF	0 ("not active")
.	
.	
.	

FIGURE 4

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