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**Teller et al.**

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(54) **DEVICE AND METHOD FOR MONITORING THE PRESENCE OF ITEMS AND ISSUING AN ALERT IF AN ITEM IS NOT DETECTED**

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**G08B 1/08** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **340/539.32**; 235/385; 340/539.11;  
340/572.1

(58) **Field of Classification Search**  
USPC ..... 340/539.32, 572.1, 539.23, 539.11;  
235/385; 705/28

See application file for complete search history.

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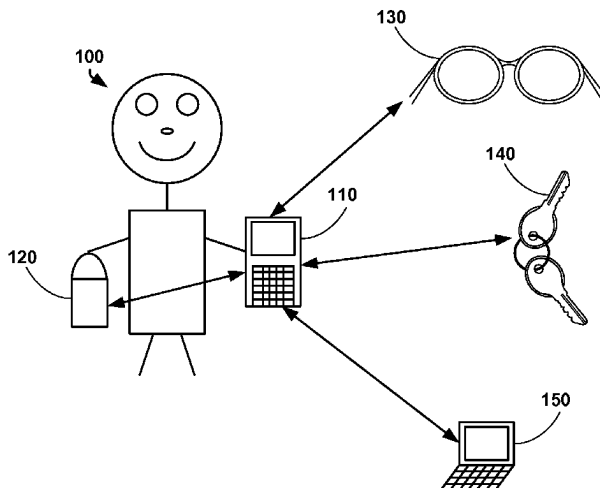
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(57) **ABSTRACT**

Disclosed herein are methods and systems that involve monitoring presence of items based on context. An exemplary method involves: (i) determining a context for a given user; (ii) determining a proximity framework between a monitoring device and one or more items, based on the determined context, wherein the proximity framework comprises (a) one or more proximity requirements, each proximity requirement indicating a required proximity between the monitoring device and at least one of the items and (b) a notification process corresponding to each proximity requirement; (iii) monitoring proximity of each of the items relative to the monitoring device, based on a presence signal from each of the items, in order to determine when one of the proximity requirements is not met; and (iv) responsive to determining that one of the proximity requirements is not met, initiating the corresponding notification process.

**35 Claims, 22 Drawing Sheets**



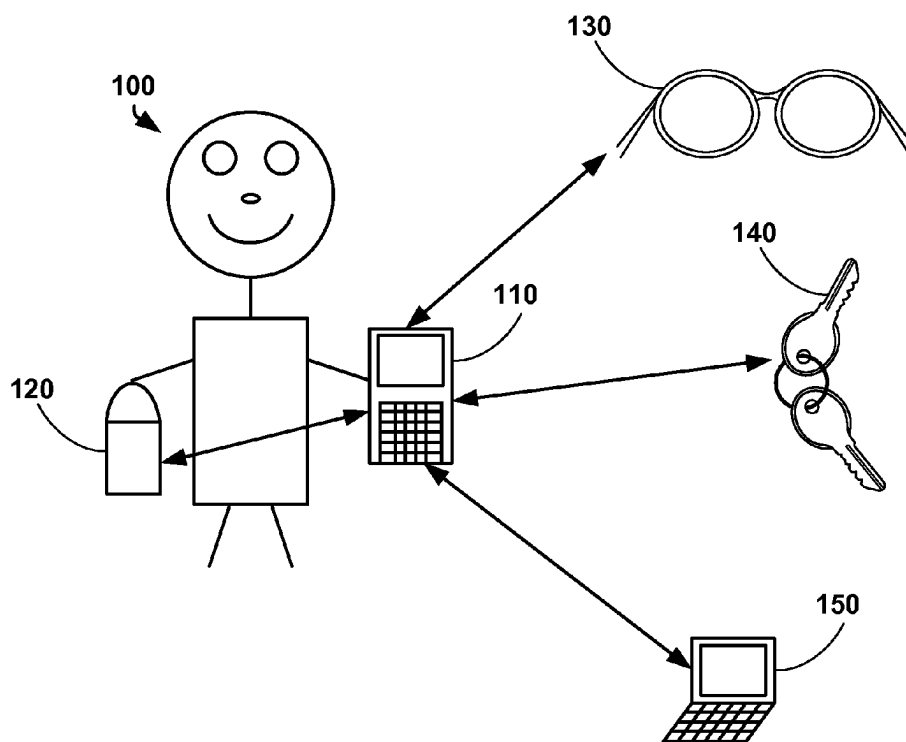
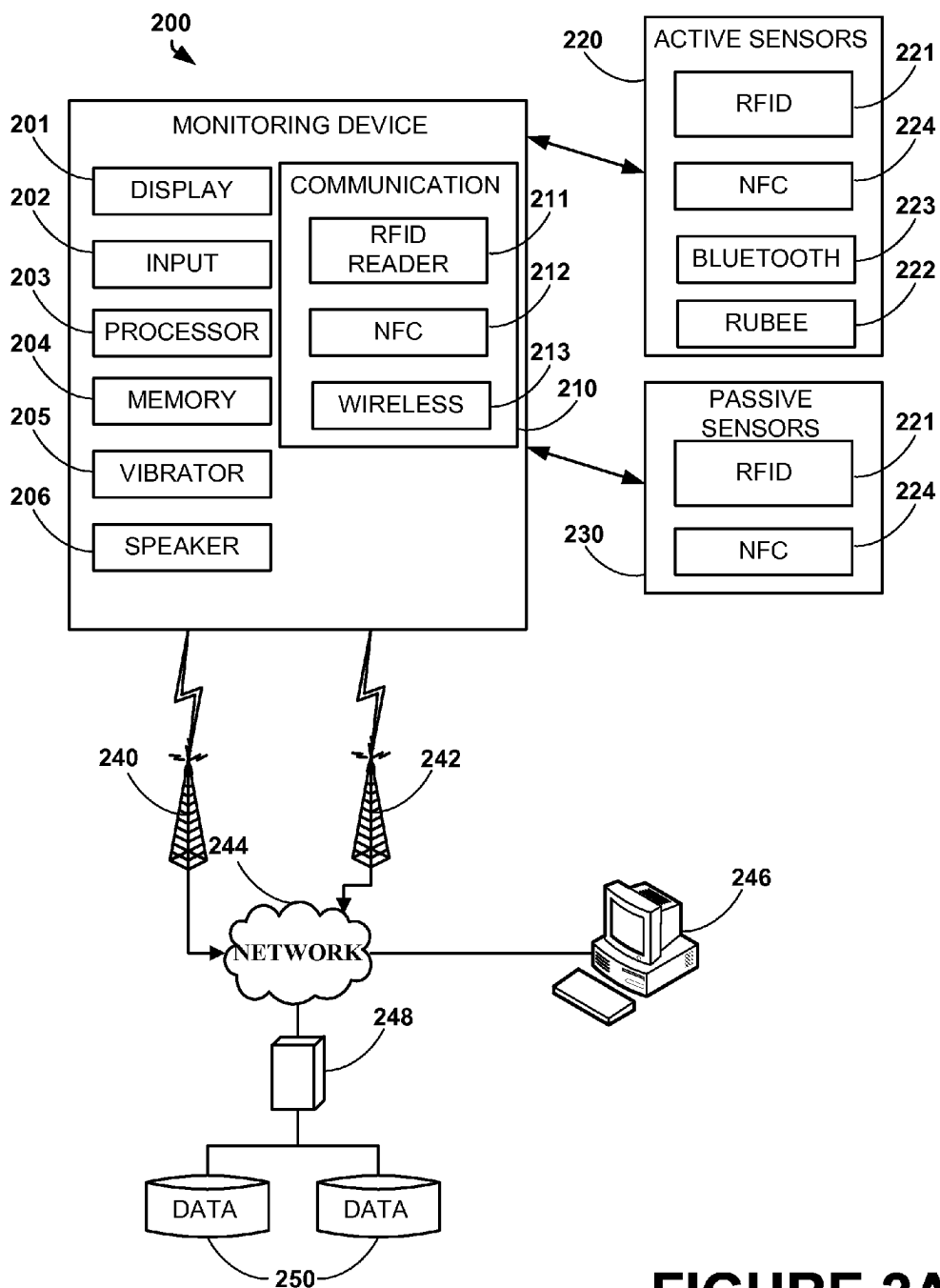
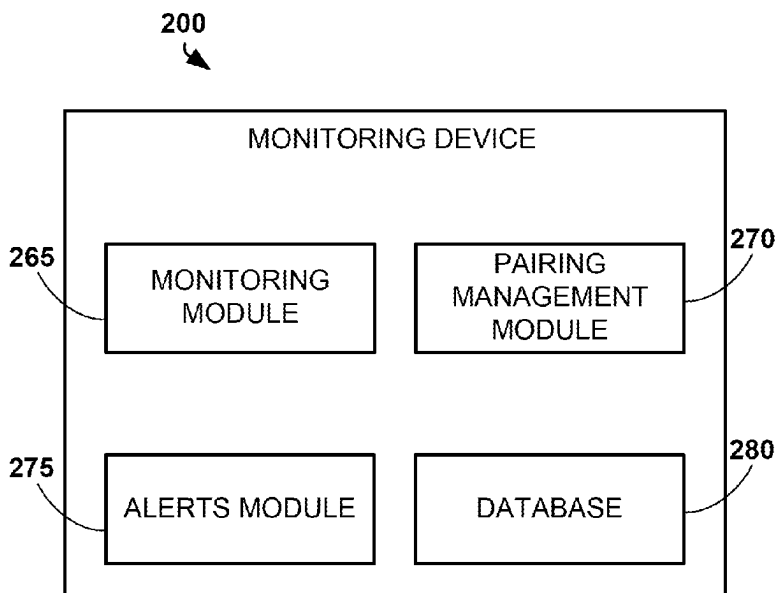


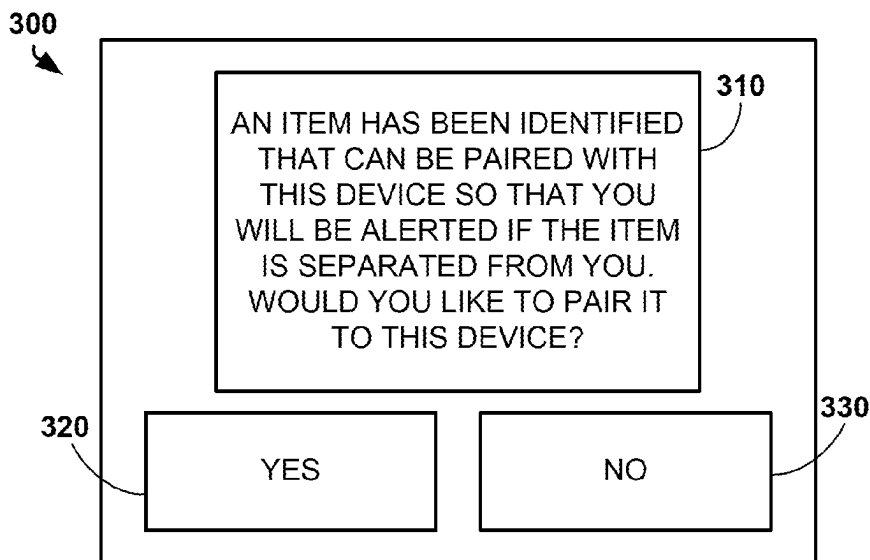
FIGURE 1



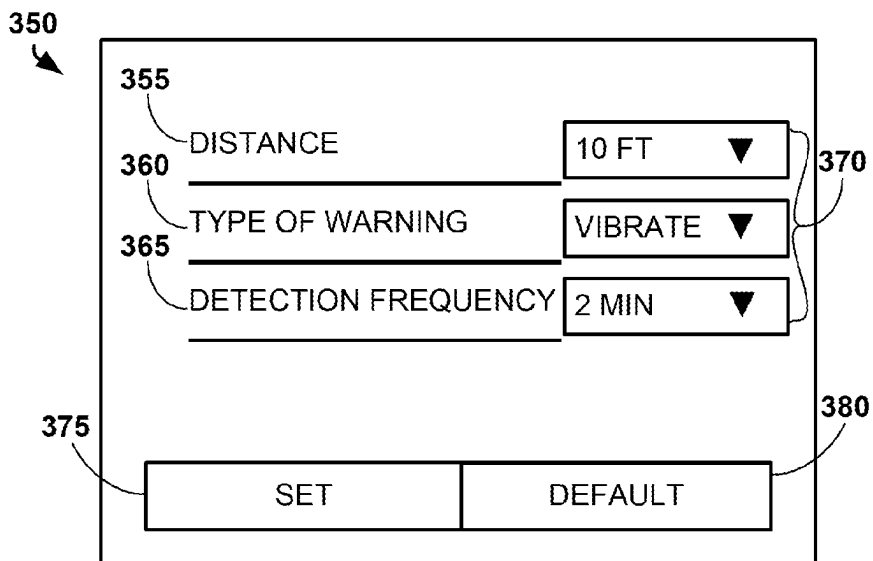
**FIGURE 2A**



**FIGURE 2B**



**FIGURE 3A**



**FIGURE 3B**

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