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(12) United States Patent

French et al.

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(54) CART RETURN CREDIT SYSTEM

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

- (21) Appl. No.: 09/535,076
- (22) Filed: Mar. 23, 2000

Related U.S. Application Data

- (63) Continuation-in-part of application No. 09/153,912, filed on Sep. 16, 1998, now Pat. No. 6,486,768.
- (51) Int. Cl.⁷ H04Q 19/00

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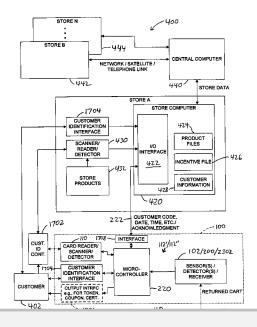
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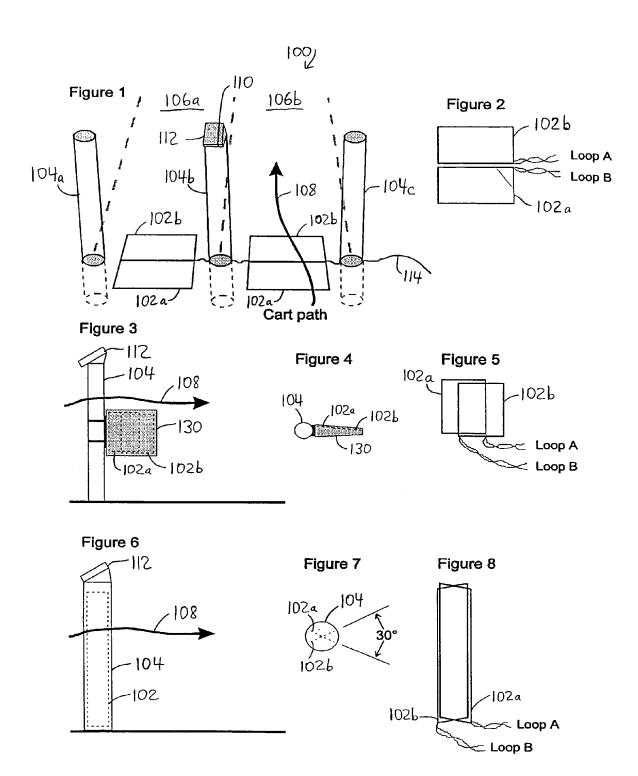
(57) ABSTRACT

A system and method for providing an incentive to a customer of a store to return a shopping cart to a cart return location. The system generates a cart return signal. The system determines whether a cart is being removed from or returned to the cart corral. Alternatively, a radio frequency identification system may be used to detect return of a cart. The shopper is credited with points or credits in a frequent shopper or reward program for returning the shopping cart to the cart return location. The cart return system may be readily configured to integrate with a wide range of existing, or new frequent shopper or loyalty programs.

15 Claims, 14 Drawing Sheets

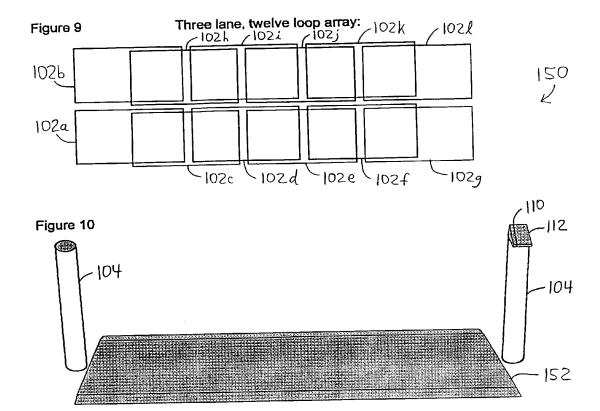








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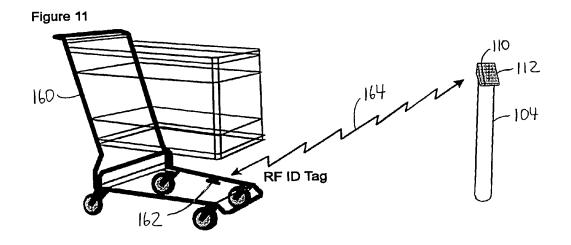


Figure 12 Cart Detector circuit

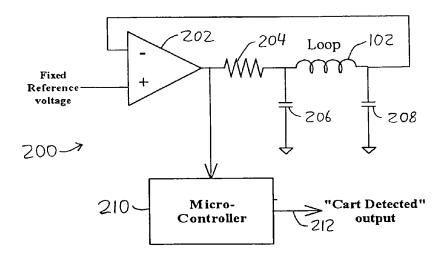
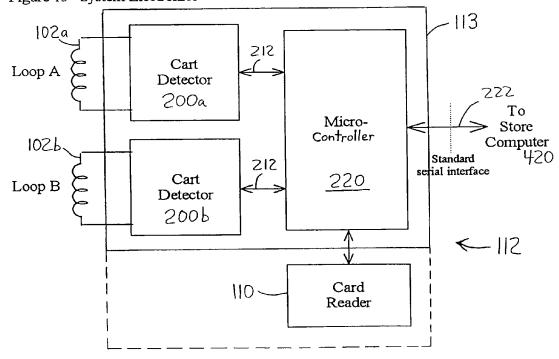
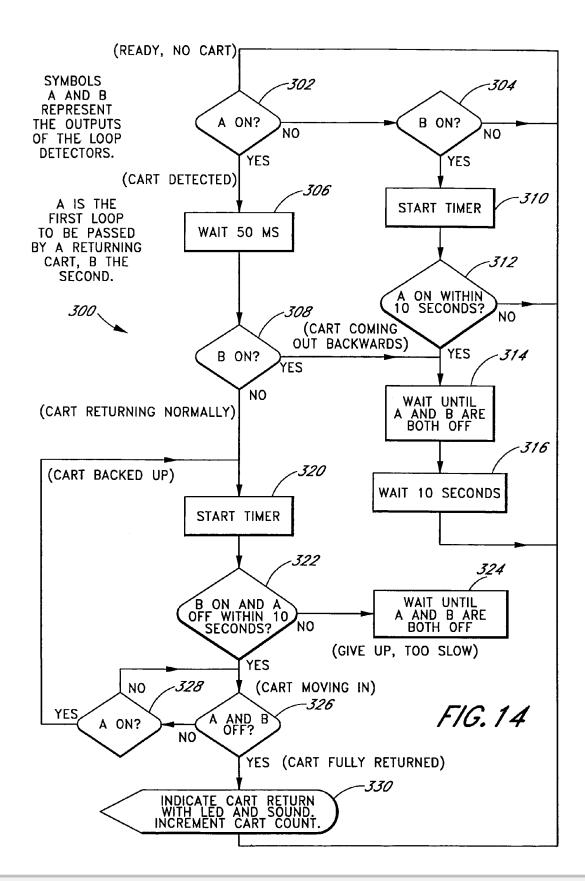


Figure 13 System Electronics







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