

Title (en)  
Improvements in control systems for hand propelled vehicles.

Title (de)  
Überwachungssystem für handgetriebene Fahrzeuge.

Title (fr)  
Systèmes de contrôle pour des chariots à bras.

Publication  
**EP 0077690 A1 19830427 (EN)**

Application  
**EP 82305571 A 19821020**

Priority  
GB 8131732 A 19811021

Abstract (en)  
A trolley control system for use in supermarkets and the like which includes an outlet (10) having normally retracted stops (30) closable on the approach of a trolley (28), a sensor (32) to sense a trolley (28) approach to prevent passage thereof, and retractable to open the outlet (10) and allow passage of the trolley on payment of a deposit. At the other end of the system is an inlet (18) to a reception area (20) for returned trolleys having a detector which initiates a refund of a deposit. Identification devices may be provided on the trolleys to effect validation of a trolley before a refund is made. A card system (in place of tokens or money) may be used and the cards may be so called charge-cards by which the deposit may be charged and then credited to a customers account. The outlet sensor may be optical so as to be responsive to a reflective device on a trolley and unresponsive to a person. Trolleys may be counted in and out.

IPC 1-7  
**G07F 7/06**; **G07F 17/00**; **A47F 10/04**

IPC 8 full level  
**A47F 10/04** (2006.01); **G07F 7/00** (2006.01); **G07F 7/06** (2006.01)

CPC (source: EP)  
**A47F 10/04** (2013.01); **G07F 7/0627** (2013.01); **G07F 7/0636** (2013.01); **G07F 7/0681** (2013.01)

Citation (search report)  
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