

Title (en)  
SECURITY DEVICE

Publication  
**EP 0070353 B1 19860618 (DE)**

Application  
**EP 82102306 A 19820320**

Priority  
DE 3128235 A 19810714

Abstract (en)  
[origin: EP0070353A1] 1. Security device of an automatic vending machine which for the prevention of the fraud by application of the so-called thread trick displays a coin path (2), which is curved in its entry region, with a thread sensor (1) consisting of a bracket (3), which is provided with small mass, is rotatable about its bearing, is checked for its position by a light barrier and which protrudes into the bent coin path (2) in such a manner that a thread stretched between the entry (5) and exit (6) of the bent coin path is kinked at the bracket (3) and thereby turns the bracket (3) out of its rest setting which has the consequence of a light barrier output signal which thereupon effects the performance of given security measures, characterised thereby, that the bracket (3) is so shaped that a lateral by-passing by the thread is impossible, that an edge (12) protruding into the coin path (2) is formed and that the thread of the coin disposed in the coin path (2) is so guided on the pulling-back of the coin that a certain wedging of the coin behind this edge is assured, that a one-way coin barrier (11) preventing the pulling-back of the coin is arranged behind the coin exit (6) of the coin path (2), that a coin sensor generating a coin test termination signal for prevention of the multiple valuation of a coin hanging at a thread is mounted directly behind the one-way coin barrier (11) and that precautions are taken, which have the effect that a cashing flap (7) assumes or maintains its setting, in which the coins are guided into the final coin till (9), on the occurrence of a light barrier output signal before, during and/or after the cashing operation and remains in this setting until the light barrier output signal has finally again disappeared.

IPC 1-7  
**G07F 1/04**

IPC 8 full level  
**G07F 1/04** (2006.01)

CPC (source: EP)  
**G07F 1/043** (2013.01); **G07F 1/044** (2013.01)

Cited by  
GB2250622A; GB2250622B; US5485906A; GB2252855B; US5373929A; EP0351217A3; US5813509A; GB2266176A; US5383546A; GB2266176B; EP0688978A2; EP0688977A2; WO9210814A1; WO9215075A1

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0070353 A1 19830126; EP 0070353 B1 19860618**; AT E20505 T1 19860715; DE 3128235 A1 19830203; DE 3271738 D1 19860724; DK 299782 A 19830115

DOCDB simple family (application)  
**EP 82102306 A 19820320**; AT 82102306 T 19820320; DE 3128235 A 19810714; DE 3271738 T 19820320; DK 299782 A 19820705