

Title (en)  
Magnetic thread reader

Title (de)  
Magnetisches Fadenlesegerät

Title (fr)  
Lecteur de fil de sécurité magnétique

Publication  
**EP 1353301 A3 20031022 (EN)**

Application  
**EP 03015595 A 20020107**

Priority  
• EP 02250079 A 20020107  
• GB 0100451 A 20010108  
• GB 0114212 A 20010611

Abstract (en)  
[origin: EP1353302A2] A method of detecting a magnetic thread comprises causing relative movement between the thread and an array of magnetic heads (2a-2l), each head (2a-2l) generates a signal upon detecting a portion of the thread. The arrival of a thread at one of the heads is detected, that head being denoted a primary head, and the head on each side a secondary head. Output signals from the primary and secondary heads are monitored to generate a representation of the thread, and the magnitude of the signals from the primary and secondary heads are compared such that if the magnitude of the output signal from a secondary head exceeds that from the primary head, the primary and secondary heads are reallocated accordingly. <IMAGE>A method of detecting a magnetic thread comprises causing relative movement between the thread and an array of magnetic heads (2a-2l), each head (2a-2l) generates a signal upon detecting a portion of the thread. The arrival of a thread at one of the heads is detected, that head being denoted a primary head, and the head on each side a secondary head. Output signals from the primary and secondary heads are monitored to generate a representation of the thread, and the magnitude of the signals from the primary and secondary heads are compared such that if the magnitude of the output signal from a secondary head exceeds that from the primary head, the primary and secondary heads are reallocated accordingly. <IMAGE>

IPC 1-7  
**G07D 7/04; G07D 7/00**

IPC 8 full level  
**G07D 7/00** (2006.01); **G07D 7/04** (2006.01)

CPC (source: EP US)  
**G07D 7/004** (2013.01 - EP); **G07D 7/04** (2013.01 - EP US)

Citation (search report)  
• [X] DE 19921653 A1 20000928 - KRAUS SICHERHEITSTECHNIK [DE]  
• [A] US 5889271 A 19990330 - WEBB MARTIN JOHN [GB]  
• [A] US 5255129 A 19931019 - JONES PHILIP B [GB]  
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US8052145B2; US10922913B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1353302 A2 20031015; EP 1353302 A3 20031022; EP 1353302 B1 20050720**; EP 1353301 A2 20031015; EP 1353301 A3 20031022;  
EP 1353301 B1 20061102; GB 0100451 D0 20010221; GB 0114212 D0 20010801; PT 1353301 E 20070131

DOCDB simple family (application)  
**EP 03015597 A 20020107**; EP 03015595 A 20020107; GB 0100451 A 20010108; GB 0114212 A 20010611; PT 03015595 T 20020107