Title (en)
  Magnetic thread reader

Title (de)
  Magnetisches Fadenlesegerät

Title (fr)
  Lecteur de fil de sécurité magnétique

Publication
  EP 1353301 A2 20031015 (EN)

Application
  EP 03015595 A 20020107

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

Abstract (en)
  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)

Cited by
  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