

Title (en)
Yarn winding machine

Title (de)
Fadenwickelmaschine

Title (fr)
Bobinoir de fil

Publication
EP 0902108 A3 19990825 (EN)

Application
EP 98115916 A 19980824

Priority
JP 23638397 A 19970902

Abstract (en)
[origin: EP0902108A2] To detect cut yarn without limiting the arrangement of the yarn winding machines. The present yarn winding machine installs in a row spindles, each of which has one yarn supply package 8, and rotates a spindle apparatus 2 of each spindle to twist and wind yarn Y released from the yarn supply package of each spindle while ballooned it. The yarn winding machine detects a load current through a driving motor 6 provided for a spindle apparatus 2 of each spindle, and compares the load current with a threshold value to determine that the yarn has been cut if the load current is lower than the threshold value. <IMAGE>

IPC 1-7
D01H 1/244; **D01H 1/32**; **D01H 13/16**; **B65H 63/02**

IPC 8 full level
B65H 63/028 (2006.01); **B65H 63/032** (2006.01); **D01H 1/244** (2006.01); **D01H 1/36** (2006.01); **D01H 7/86** (2006.01); **D01H 13/16** (2006.01)

CPC (source: EP KR)
B65H 63/02 (2013.01 - KR); **B65H 63/0321** (2013.01 - EP); **D01H 1/244** (2013.01 - EP KR); **D01H 1/32** (2013.01 - KR); **D01H 13/16** (2013.01 - EP KR); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

- [X] DE 2519221 A1 19761118 - ZINSER TEXTILMASCHINEN GMBH
- [A] GB 2010344 A 19790627 - TELDIX GMBH
- [A] FR 2375359 A1 19780721 - TELDIX GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 553 (C - 663) 8 December 1989 (1989-12-08)

Cited by
EP1186690A3

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

DOCDB simple family (publication)
EP 0902108 A2 19990317; **EP 0902108 A3 19990825**; **EP 0902108 B1 20020508**; CN 1210158 A 19990310; DE 69805255 D1 20020613; DE 69805255 T2 20030102; JP H1181062 A 19990326; KR 100382400 B1 20030712; KR 19990029378 A 19990426

DOCDB simple family (application)
EP 98115916 A 19980824; CN 98117735 A 19980902; DE 69805255 T 19980824; JP 23638397 A 19970902; KR 19980035510 A 19980831