

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)

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- [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)

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EP1186690A3

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**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

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