

Title (en)
Yarn winding machine

Title (de)
Fadenwickelmaschine

Title (fr)
Bobinoir de fil

Publication
EP 0902108 A2 19990317 (EN)

Application
EP 98115916 A 19980824

Priority
JP 23638397 A 19970902

Abstract (en)
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)

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Designated contracting state (EPC)
DE FR IT

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

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