

Title (en)

Multiple twister

Title (de)

MEHRFACH-ZWIRNMASCHIE

Title (fr)

Machine de torsion multiple

Publication

**EP 0902107 A2 19990317 (EN)**

Application

**EP 98116045 A 19980825**

Priority

JP 24362897 A 19970909

Abstract (en)

To prevent an end missing or a straight winding of a twisted yarn during stoppage by driving a traverse device and a drum by common driving means and synchronizing the traverse device with driving of the drum. A drum driving system B of a drum 9 rotating a winding package P is coupled with a traverse device 11 traversing the twisted yarn around the winding package P via a non-step transmission 14 so as to be driven by means of a common driving motor 5.

IPC 1-7

**D01H 1/10**

IPC 8 full level

**B65H 54/28** (2006.01); **D01H 1/10** (2006.01); **D01H 1/20** (2006.01); **D01H 1/28** (2006.01); **D01H 1/36** (2006.01); **D01H 7/36** (2006.01); **D01H 7/86** (2006.01)

CPC (source: EP KR US)

**D01H 1/10** (2013.01 - EP US); **D01H 1/20** (2013.01 - EP); **D01H 1/28** (2013.01 - EP US); **D01H 7/86** (2013.01 - KR)

Cited by

CN106149112A; CN104451974A; CN107034559A; CN109972431A

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 0902107 A2 19990317**; **EP 0902107 A3 20000126**; **EP 0902107 B1 20030409**; CN 1210909 A 19990317; CN 1215208 C 20050817; DE 69813122 D1 20030515; DE 69813122 T2 20040311; JP H1181054 A 19990326; KR 100382401 B1 20030718; KR 19990029663 A 19990426

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