

Title (en)

Yarn winding apparatus and method of producing a yarn package

Title (de)

Spulvorrichtung für Fäden und Verfahren zur Bildung einer Spule

Title (fr)

Dispositif de bobinage pour fils et procédé de formation de bobine

Publication

**EP 1260475 A1 20021127 (EN)**

Application

**EP 02010456 A 20020508**

Priority

JP 2001152185 A 20010522

Abstract (en)

A yarn winding apparatus having a fitting structure at connecting portion of a spindle (8) and a motor shaft (12), which fitting structure is constructed with a hole provided at the end surface of the motor shaft and an end portion of the spindle inserted into the hole or a hole provided at the end surface of the spindle and an end portion of the motor shaft inserted into the hole. At the connecting portion, the fitting structure forms a deflection control means for substantially conforming deflections of the spindle and the motor shaft with each other by supporting the spindle based on stiffness of the motor shaft. <IMAGE>

IPC 1-7

**B65H 54/44**; **B65H 54/54**; **B65H 54/547**

IPC 8 full level

**B65H 54/44** (2006.01); **B65H 54/547** (2006.01)

CPC (source: EP KR)

**B65H 54/44** (2013.01 - EP); **B65H 54/547** (2013.01 - EP KR); **B65H 2402/60** (2013.01 - EP); **B65H 2601/524** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**EP 1260475 A1 20021127**; CN 1329270 C 20070801; CN 1386695 A 20021225; KR 20020089185 A 20021129; TW 565525 B 20031211

DOCDB simple family (application)

**EP 02010456 A 20020508**; CN 02120444 A 20020522; KR 20020028048 A 20020521; TW 91110497 A 20020520