

Title (en)

Device for removing the spindle shaft of a twisting unit

Title (de)

Vorrichtung zur Entfernung der Spindelwelle einer Zwirneinheit

Title (fr)

Dispositif pour enlever un axe de broche d'un module de retordage

Publication

**EP 1734162 B1 20110302 (EN)**

Application

**EP 06021050 A 19991201**

Priority

- EP 99123845 A 19991201
- JP 34280598 A 19981202

Abstract (en)

[origin: EP1006222A2] The present invention relates to a twisting unit comprising a drive motor M provided coaxially with a spindle shaft 1 to drive this shaft, the spindle shaft 1 being rotated to twist a yarn, comprising a sleeve 11 configured separately from the spindle shaft 1 and having a rotor 12 of the drive motor M secured to its outercircumferential surface, a motor housing having a stator 14 of the drive motor M secured to its inner circumferential surface, bearings 18, 17 for rotatably supporting the sleeve both above and below the rotor 12 relative to the motor housing. By allowing the spindle shaft 1 to be inserted into or removed from the sleeve 11, the spindle motor 1 can be inserted or removed separately from the rotor 12 of the drive motor M and various inconveniences associated with attachment and detachment of a rotor integrally with a spindle shaft can be eliminated. <IMAGE>

IPC 8 full level

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