

Title (en)
MOTORIZED YARN TWISTING HEAD

Title (de)
MOTORGETRIEBENER FADENZWIRNKOPF

Title (fr)
TETE DE TORSION DE FILS MOTORISEE

Publication
EP 0840815 B1 19991006 (EN)

Application
EP 96927543 A 19960718

Priority
• EP 9603169 W 19960718
• IT VI950122 A 19950726

Abstract (en)
[origin: WO9705310A1] A motorized head for multiple-head machines for twisting threads or for similar processes includes: a supporting pivot (2) for a thread spindle or reel (3); a rotor (5) that is coaxial to the pivot for unwinding and twisting the thread; a motor connected to the rotor to make it rotate at a controlled speed. The motor consists, for each head, of a single electric motor (8) of the high-efficiency brushless type with cylindrical permanent magnets, directly coupled to the rotor (5). An electronic circuit (11) for speed and power supply control, independent of the circuit of other heads, is associated with the motor. The motor speed and power supply control circuit (11) is a miniaturized frequency converter that is integrated in the motor shell.

IPC 1-7
D01H 1/244

IPC 8 full level
D01H 1/244 (2006.01); **H02K 29/00** (2006.01)

CPC (source: EP)
D01H 1/244 (2013.01)

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 9705310 A1 19970213; AU 6734396 A 19970226; DE 69604590 D1 19991111; DE 69604590 T2 20000713; EP 0840815 A1 19980513; EP 0840815 B1 19991006; IT 1281615 B1 19980220; IT VI950122 A0 19950726; IT VI950122 A1 19970126; JP H11509897 A 19990831

DOCDB simple family (application)
EP 9603169 W 19960718; AU 6734396 A 19960718; DE 69604590 T 19960718; EP 96927543 A 19960718; IT VI950122 A 19950726; JP 50719697 A 19960718