

Title (en)  
MOTORIZED YARN TWISTING HEAD

Title (de)  
MOTORGETRIEBENER FADENZWIRNKOPF

Title (fr)  
TETE DE TORSION DE FILS MOTORISEE

Publication  
**EP 0840815 A1 19980513 (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  
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