

Title (en)

Structure of a linear electric motor, particularly for electromechanical actuators of weaving machines

Title (de)

Linearmotor, insbesondere für elektromechanische Stellglieder in Webmaschinen

Title (fr)

Structure d'un moteur linéaire, notamment pour des actionneurs électromécaniques des métiers à tisser

Publication

EP 1253226 B1 20050615 (EN)

Application

EP 02008352 A 20020412

Priority

IT TO20010061 U 20010427

Abstract (en)

[origin: EP1253226A1] The structure comprises a driving shaft (9) and an associated movable core (8), which linearly moves within a cavity of a stator housing (2) bearing excitation coils (6-7) and guide/supporting bushes (10) for the driving shaft. The latter is provided with a projecting central collar (9a) integral with the shaft, onto which the movable core (8) of the motor is crimped by means of two identical core portions (11a, 11b), made of a non-magnetic material, and provided with respective threaded areas and terminal flanges (110a, 110b), and mounted on the driving shaft (9) on opposite sides of the projecting collar (9a). The core portions (11a, 11b) are mutually connected through a threaded, cylindrical central case (15) which pushes the terminal flanges (110a-b) of the core portions axially into abutment with corresponding, radial-polarity magnetic rings (16a, 16b).
<IMAGE>

IPC 1-7

D03D 47/36; **H01F 7/16**

IPC 8 full level

D03D 47/34 (2006.01); **D03D 47/36** (2006.01); **H01F 7/16** (2006.01); **H01F 7/122** (2006.01)

CPC (source: EP)

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