

Title (en)  
BOBBIN

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Application  
**EP 85111424 A 19850910**

Priority  
DE 3435887 A 19840929

Abstract (en)  
[origin: US4646047A] The invention has developed an improved coil form permitting automated fabrication of a strain-relieved connection between external leads fed in an insulated fashion through an opening of a surrounding motor stator housing and the winding ends of the exciter winding wound on the coil form; for that purpose the design has a plastic bracket hinge-mounted and molded on an end flange of the coil form, which upon making the connection can be pivoted over the exciter winding and can then mate with the other end flange. Said plastic bracket has flat-tongued connector pins in access openings each having terminals on the inside for connection to the winding ends, which penetrate until they catch against a spacer piece overhanging the access opening and coming up against the outer side of the plastic bracket to ensure strain-relieved fastening; for additional anchoring, the projecting, still unwound internal terminals are twisted at a certain circumferential angle in an axially concentric fashion facing their portion inserted in the plastic bracket immediately above the access opening. This invention is particularly suitable for small synchronous motors fabricated on automated production lines.

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IPC 8 full level  
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