

Title (en)  
MOTOR ENDSHIELD ASSEMBLY FOR AN ELECTRONICALLY COMMUTATED MOTOR

Title (de)  
LAGERSCHILDANORDNUNG FÜR EINEN ELEKTRONISCH KOMMUTIERTEN MOTOR

Title (fr)  
ENSEMBLE ECRAN D'EXTREMITE POUR MOTEUR A COMMUTATION ELECTRONIQUE

Publication  
**EP 1116319 A1 20010718 (EN)**

Application  
**EP 99930827 A 19990629**

Priority  
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• US 9125798 P 19980630

Abstract (en)  
[origin: WO0001054A1] An endshield assembly (100) for an electronically commutated motor includes an endshield (100), a control assembly (104) and a power assembly (106). The endshield (100) includes a plurality of recessed fins (132) on an outer surface, and a substantially flat raised portion on an internal surface. The raised portion is in contact with a thermal pad (112). The control assembly (104) includes the thermal pad (112) and a control board (108) on which is located a plurality of power transistors (110). The thermal pad (112) provides thermal contact between the transistors (110) and the endshield (100) to enable the endshield (100) to dissipate heat from the transistors (110). The transistors (110) include a plurality of leads (128) that extend substantially parallel to the control board (108) which enable the leads (128) to be coated for protection against harsh environments. The power assembly (106) includes a power board (138) having an insulator (146) positioned between the power board (138) and the control board (108).

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