

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 A4 20050413 (EN)**

Application  
**EP 99930827 A 19990629**

Priority  
• US 9914753 W 19990629  
• 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).

IPC 1-7  
**H02K 9/22**; **H02K 5/08**; **H02K 11/04**

IPC 8 full level  
**H02K 11/30** (2016.01)

CPC (source: EP KR)  
**H02K 11/00** (2013.01 - KR); **H02K 11/33** (2016.01 - EP)

Citation (search report)  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0001054 A1 20000106**; AU 4727599 A 20000117; BR 9911469 A 20010918; CA 2333949 A1 20000106; CN 1104082 C 20030326; CN 1309830 A 20010822; EP 1116319 A1 20010718; EP 1116319 A4 20050413; HK 1040006 A1 20020517; HK 1040006 B 20031205; HU 224398 B1 20050829; HU P0101238 A2 20010828; HU P0101238 A3 20020328; IL 140452 A0 20020210; JP 2002519986 A 20020702; KR 100604509 B1 20060724; KR 20010053234 A 20010625; PL 345400 A1 20011217

DOCDB simple family (application)  
**US 9914753 W 19990629**; AU 4727599 A 19990629; BR 9911469 A 19990629; CA 2333949 A 19990629; CN 99807982 A 19990629; EP 99930827 A 19990629; HK 02101286 A 20020221; HU P0101238 A 19990629; IL 14045299 A 19990629; JP 2000557534 A 19990629; KR 20007014874 A 20001227; PL 34540099 A 19990629