

Title (en)  
Coil system including a structure for preventing fluid from leaking therein

Title (de)  
Spulensystem mit einer Struktur zum Verhindern von Fluidleckage

Title (fr)  
Système de bobine avec une structure pour empêcher les fuites de fluide

Publication  
**EP 1193391 A1 20020403 (EN)**

Application  
**EP 01123048 A 20010926**

Priority  
JP 2000295892 A 20000928

Abstract (en)  
A coil system (50) includes a bobbin (51, 81), a coil (52, 82) wrapped around the bobbin, terminal members (53, 83), a resin coating member (54, 84), a stator (55), a housing (56), and a connector (58). The resin coating member covers the bobbin, the coil and the terminal members so as to seal up them. Further, the resin coating member insulates the coil and the terminal members from the stator and the housing. O-rings (59) are disposed circumferentially on the external surface of the resin coating member so as to prevent fluid from leaking into the coil system. Further, weld portions (541, 542, 91) are formed on the resin coating member, and welded to a connector cap (581) of the connector. Thereby fluid leaking into the coil system from the boundary portion (A) of the resin coating member and the connector cap is blocked. <IMAGE>

IPC 1-7  
**F02M 51/00**; **H01F 5/06**; **F02M 47/02**; **F02M 59/46**

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 51/00** (2006.01); **F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 59/46** (2006.01); **H01F 5/06** (2006.01); **H01F 7/06** (2006.01); **H01F 7/16** (2006.01)

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Citation (search report)

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