

Title (en)
Electric fan and electrical connector

Title (de)
Elektrisches Gebläse und elektrischer Verbinder

Title (fr)
Ventilateur électrique et connecteur électrique

Publication
EP 1008762 A3 20010516 (EN)

Application
EP 99309975 A 19991210

Priority
GB 9827253 A 19981210

Abstract (en)
[origin: EP1008762A2] An electric fan (10) is disclosed, comprising a fan body (20), a back plate (40), a power supply connector (44) and a plug-in control module (60) for controlling the fan motor (26). The control module (60) is received in the fan body (20) and, in the assembled fan, is connected to the power supply connector (44) and to the fan motor (26). The fan body (20) and the control module (60) are together removable from the back plate (40) such that the control module (60) and the motor (26) become isolated from the power supply. The isolated control module (60) is then removable from the fan body (20). An electrical connector (28;44) for electrically connecting a conductor (29) to a contact on a printed circuit board (61) is also disclosed. The connector comprises an electrically-conductive clench (100) which, in use, displaces insulation around the conductor and makes electrical contact with the inner conductive core, and an electrically-conductive spring contact (110) which is resilient and which, in use, forms a resilient electrical connection between the clench and the contact of the printed circuit board. <IMAGE>

IPC 1-7
F04D 29/60

IPC 8 full level
F04D 25/12 (2006.01); **F04D 29/60** (2006.01)

CPC (source: EP)
F04D 25/12 (2013.01); **F04D 29/601** (2013.01)

Citation (search report)
• [X] US 5562410 A 19961008 - SACHS ERNEST J [US], et al
• [A] EP 0242342 A1 19871021 - PAX ELECTRO PROD AB [SE]
• [A] US 5586867 A 19961224 - MEHLOS MICHAEL D [US]
• [A] US 5738496 A 19980414 - MEHTA VINAY [US]

Cited by
EP2206981A3; WO2018202312A1

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)
EP 1008762 A2 20000614; EP 1008762 A3 20010516; EP 1008762 B1 20040915; AT E276441 T1 20041015; DE 1008762 T1 20010419; DE 69920146 D1 20041021; GB 2344379 A 20000607; GB 2344379 B 20021211; GB 9827253 D0 19990203

DOCDB simple family (application)
EP 99309975 A 19991210; AT 99309975 T 19991210; DE 69920146 T 19991210; DE 99309975 T 19991210; GB 9827253 A 19981210