

Title (en)  
APPARATUS FOR DIAGNOSING AND INDICATING OPERATIONAL FAILURE IN AUTOMOBILES

Title (de)  
GERÄT ZUR DIAGNOSE UND ANZEIGE VON FUNKTIONSFEBLERN EINES KRAFTFAHRZEUGES

Title (fr)  
APPAREIL DE DIAGNOSTIC ET SIGNALISATION DES PANNES D'AUTOMOBILES

Publication  
**EP 1153307 A1 20011114 (EN)**

Application  
**EP 99962514 A 19991222**

Priority  

- KR 9900805 W 19991222
- KR 19980026978 U 19981224
- KR 19990021713 A 19990611
- KR 19990024132 A 19990625
- KR 19990013153 U 19990706

Abstract (en)  
[origin: WO0039597A1] An apparatus for diagnosing and indicating operational failure in automobiles includes a diagnostic circuit for receiving signals input through wiring at both ends of each fuse and wiring of a relay in a fuse box or junction box installed in an automobile and diagnosing operation failure by detecting a change in the logic value of the input signal, and an output device for receiving the result of diagnosis from the diagnostic circuit and outputting signals indicating the location of a defective fuse or relay. Thus, a driver having little knowledge of car maintenance can easily take actions for repair or an emergency measure of automobiles according to the result of diagnosis of operational failure of the automobile informed in an audio-visual manner. Also, automobile repair experts or shops can save time needed for diagnosing and performing accurate repair using the apparatus for diagnosing and indicating operational failure in automobiles according to the present invention.

IPC 1-7  
**G01R 31/07**

IPC 8 full level  
**G01R 31/02** (2006.01); **B60R 16/02** (2006.01); **G01M 17/007** (2006.01); **G01R 31/00** (2006.01)

CPC (source: EP)  
**G01R 31/006** (2013.01)

Citation (search report)  
See references of WO 0039597A1

Cited by  
CN105137271A

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 0039597 A1 20000706**; AU 1893700 A 20000731; AU 769184 B2 20040115; BR 9916385 A 20011113; CA 2355169 A1 20000706; CN 1331804 A 20020116; EP 1153307 A1 20011114; ID 29938 A 20011025; JP 2002533270 A 20021008; TW 472007 B 20020111

DOCDB simple family (application)  
**KR 9900805 W 19991222**; AU 1893700 A 19991222; BR 9916385 A 19991222; CA 2355169 A 19991222; CN 99815051 A 19991222; EP 99962514 A 19991222; ID 20011388 A 19991222; JP 2000591445 A 19991222; TW 88122130 A 19991216