Title (en)

Security module with status signalization

Title (de)

Sicherheitsmodul mit Statussignalisierung

Title (fr)

Module de sécurité avec signalisation de l'état

Publication

EP 1035513 A3 20001220 (DE)

Application

EP 00250057 A 20000221

Priority

- DE 29905219 U 19990312
- US 52411800 A 20000313

Abstract (en)

[origin: EP1035513A2] Sealing compound (105) encases at least part of the printed circuit board (106), which surrounds electrically connected function units. For signaling of the module condition, an optical or acoustic signal device (107,108) is connected to a function unit connected to the printed circuit board (106) which is surrounded by sealing material.

IPC 1-7

G07B 17/00; G07B 17/04

IPC 8 full level

G07B 17/00 (2006.01)

CPC (source: EP US)

G07B 17/00193 (2013.01 - EP US); G07B 2017/00233 (2013.01 - EP US); G07B 2017/00241 (2013.01 - EP US); G07B 2017/00967 (2013.01 - EP US)

Citation (search report)

- [YA] US 5353350 A 19941004 - UNSWORTH JOSEPH [AU], et al
- [YA] GB 2303173 A 19970212 - HOMEWOOD CLIVE ROBERT [GB], et al
- [A] WO 9820461 A2 19980514 - ASCOM HASLER MAILING SYS INC [US], et al
- [A] US 5515540 A 19960507 - GRIDER STEPHEN N [US], et al
- [A] US 4575621 A 19860311 - DREIFUS HENRY N [US]
- [A] US 5097253 A 19920317 - ESCHBACH EUGENE A [US], et al
- [A] USPS, UNITED STATES POSTAL SERVICE, INFORMATION BASED INDICIA PROGRAM, POSTAL SECURITY DEVICE SPECIFICATION, 13 June 1996 (1996-06-13), XP002137734

Cited by

DE10136608B4; DE10116703A1; US7222238B2; US6512376B2; EP1967976A2; DE102007011309A1

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)

DE 29905219 U1 19990617; CN 1151474 C 20040526; CN 1267041 A 20000920; EP 1035513 A2 20000913; EP 1035513 A3 20001220; EP 1035513 B1 20080702; US 6771179 B1 20040803

DOCDB simple family (application)

DE 29905219 U 19990312; CN 00103873 A 20000310; EP 00250057 A 20000221; US 52411800 A 20000313