

Title (en)

DEVICE FOR CENTRALLY MONITORING THE OPERATION OF AUTOMATIC TELLER MACHINES

Title (de)

EINRICHTUNG ZUM ZENTRALEN ÜBERWACHEN DES BETRIEBES VON BANKAUTOMATEN

Title (fr)

DISPOSITIF DE SURVEILLANCE CENTRALISÉE DU FONCTIONNEMENT DE GUICHETS AUTOMATIQUES BANCAIRES

Publication

**EP 2430622 B1 20180228 (DE)**

Application

**EP 10715515 A 20100323**

Priority

- EP 2010053772 W 20100323
- DE 102009021130 A 20090514

Abstract (en)

[origin: US2010293417A1] The invention relates to an invention for the central monitoring of the operation of automated banking machines (ATM). The operating signals from actuators (31) and sensors (32) of an automated banking machine (ATM) are used to assemble operating characteristics of the actuators (31) and sensors (32) into data records from operating signal patterns (by time segments. These data records are transmitted from the automated banking machine (ATM) to a central monitoring device (20) in which the operating signal patterns are compared with operating signal patterns from corresponding earlier time segments. A trend toward a change in operating characteristics can be ascertained for the respective actuator (31) or sensor (32), which trend can be used for early replacement of said actuator or sensor.

IPC 8 full level

**G07F 9/02** (2006.01); **G07F 19/00** (2006.01)

CPC (source: EP US)

**G07F 9/026** (2013.01 - EP US); **G07F 19/20** (2013.01 - EP US)

Citation (examination)

US 2006131380 A1 20060622 - FORREST SIMON J [GB], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009021130 A1 20101118**; CN 102422329 A 20120418; CN 105184990 A 20151223; EP 2430622 A1 20120321; EP 2430622 B1 20180228; US 2010293417 A1 20101118; US 8281988 B2 20121009; WO 2010130500 A1 20101118

DOCDB simple family (application)

**DE 102009021130 A 20090514**; CN 201080020032 A 20100323; CN 201510357477 A 20100323; EP 10715515 A 20100323; EP 2010053772 W 20100323; US 60382509 A 20091022