

Title (en)
RF TOKEN AND READING DEVICE THEREOF

Title (de)
RF JETON UND LESEVORRICHTUNG DAFÜR

Title (fr)
JETON RF ET DISPOSITIF DE LECTURE CORRESPONDANT

Publication
EP 1110164 A1 20010627 (EN)

Application
EP 99924034 A 19990515

Priority
KR 9900245 W 19990515

Abstract (en)
[origin: WO0049560A1] An RF token for paying a fee for a transformation means which is easily purchasable and portable, and can be used only once or a few times, and a reading device thereof. The carrier body of an RF token 10 is made of plastic material and has a shape of a coin. A semiconductor chip (14) is embedded inside the carrier body. An antenna coil (18) is spirally wound extending from a contact area of the semiconductor chip. In a non-contact type IC card reading device, an input slot is formed on the exterior surface of a housing. A shutter (42) is installed inward a predetermined distance from the housing input slot and selectively passes the RF token (10). A solenoid (60) which includes a plunger (62) combined with the shutter selectively transfers the shutter (42). A read and control unit reads information stored in the RF token loaded on the shutter and selectively drives the solenoid (60) according to read out information. A receiving unit (38) receives the RF token passing through the shutter.

IPC 1-7
G06K 7/06; **G06K 19/07**

IPC 8 full level
G06K 7/00 (2006.01); **G06K 7/06** (2006.01); **G06K 19/07** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP)
G06K 7/0021 (2013.01); **G06K 13/0875** (2013.01); **G06K 19/047** (2013.01); **G06K 19/07749** (2013.01); **G06K 19/07779** (2013.01); **G06K 19/07783** (2013.01)

Citation (search report)
See references of WO 0049560A1

Designated contracting state (EPC)
DE ES FR GB IT NL PT

DOCDB simple family (publication)
WO 0049560 A1 20000824; BR 9907298 A 20001024; CN 1126058 C 20031029; CN 1290377 A 20010404; EP 1110164 A1 20010627; HK 1035244 A1 20011116; JP 2002537607 A 20021105; TR 200002356 T1 20010723

DOCDB simple family (application)
KR 9900245 W 19990515; BR 9907298 A 19990515; CN 99802093 A 19990515; EP 99924034 A 19990515; HK 01105797 A 20010817; JP 2000600228 A 19990515; TR 200002356 T 19990515