

Title (en)
AUTHENTICATION METHOD AND AUTHENTICATION DEVICE FOR SECURED COMMUNICATIONS BETWEEN AN ATM MOBILE TERMINAL
AND AN ATM ACCESS NODE OF A WIRELESS ATM RADIO COMMUNICATION NETWORK

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUTHENTIFIZIERUNG FÜR GESICHERTE ÜBETRAGUNGEN ZWISCHEN EINEM MOBILEN
ENDGERÄT UND EINEM ATM ZUGRIFFSKNOTEN IN EINEM DRAHTLOSEN ATM FUNKKOMMUNIKATIONSNETZWERK

Title (fr)
PROCEDE D'AUTHENTIFICATION ET DISPOSITIF D'AUTHENTIFICATION POUR COMMUNICATIONS SECURISEES ENTRE UN TERMINAL
MOBILE A MODE DE TRANSMISSION ASYNCHRONE (ATM) ET UN NOEUD D'ACCES ATM D'UN RESEAU DE RADIOCOMMUNICATION ATM

Publication
EP 1059014 A1 20001213 (EN)

Application
EP 99907571 A 19990226

Priority
• EP 99907571 A 19990226
• EP 9901251 W 19990226
• EP 98103449 A 19980227

Abstract (en)
[origin: EP0939571A1] A mobile terminal (MT) sets up a wireless ATM radio communication connection (WCC) to an access node (AN) of a wireless ATM radio communication network (WATM). On the communication connection (WCC) a secret communication key (CK) is used which has been agreed upon by the ATM access node (AN) and the ATM mobile terminal (MT). Once the operating communication connection (WCC) is established, the mobile terminal (MT) can request authentication information (AI) from the security server (SSD) located in the (WATM) system or another network (FN) connected to the access node (AN). If after setting up the communication connection (WCC) the authentication information (AI) is received in a predetermined time period at said access node (AN), the mobile terminal is authenticated at the access node (AN). Since the communication channel (WCC) is always setup before the authentication procedure, also security functions from other interconnected networks can be accessed and thus a high level of confidentiality as well as security can be maintained. <IMAGE>

IPC 1-7
H04Q 11/00

IPC 8 full level
H04L 9/32 (2006.01); **H04Q 11/00** (2006.01); **H04Q 11/04** (2006.01); **H04W 12/06** (2009.01); **H04L 12/70** (2013.01)

CPC (source: EP US)
H04Q 11/0478 (2013.01 - EP); **H04W 12/06** (2013.01 - EP US); **H04L 2012/5607** (2013.01 - EP); **H04L 2012/563** (2013.01 - EP)

Citation (search report)
See references of WO 9944387A1

Designated contracting state (EPC)
DE FI FR GB SE

DOCDB simple family (publication)
EP 0939571 A1 19990901; **EP 0939571 B1 20070509**; AT E362295 T1 20070615; AU 2726799 A 19990915; AU 748464 B2 20020606; CN 1214688 C 20050810; CN 1298620 A 20010606; DE 69837748 D1 20070621; DE 69837748 T2 20080117; EP 1059014 A1 20001213; JP 2002505566 A 20020219; JP 4312378 B2 20090812; KR 100658241 B1 20061214; KR 20010041396 A 20010515; WO 9944387 A1 19990902

DOCDB simple family (application)
EP 98103449 A 19980227; AT 98103449 T 19980227; AU 2726799 A 19990226; CN 99805527 A 19990226; DE 69837748 T 19980227; EP 9901251 W 19990226; EP 99907571 A 19990226; JP 2000534022 A 19990226; KR 20007009528 A 20000826