

Title (en)
METHOD AND APPARATUS FOR AUTHENTICATING SUBSCRIBER AND NETWORK IN WIRELESS INTERNET SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM AUTHENTIFIZIEREN EINES TEILNEHMERS UND NETZWERKS IN EINEM DRAHTLOSEN INTERNET-SYSTEM

Title (fr)
PROCEDE ET APPAREIL POUR AUTHENTIFIER UN ABONNE ET UN RESEAU DANS UN SYSTEME INTERNET SANS FIL

Publication
EP 1695480 A4 20120829 (EN)

Application
EP 04774379 A 20040823

Priority
• KR 2004002118 W 20040823
• KR 20030092564 A 20031217

Abstract (en)
[origin: WO2005060150A1] Provided are a method and an apparatus for authenticating a subscriber and a network, by which the subscriber and the network are provided with mutual authentication and share a key in a wireless Internet system. An authentication server generates information RES1, which is used by a mobile station for network authentication, using a private key and a first random number; and generates information XRES2, which is used for subscriber authentication, using the private key and a second random number. The mobile station generates network authentication information XRES1 using the private key and the first random number; and generates subscriber authentication information RES2 using the private key and the second random number. The mobile station compares the XRES1 with the RES1 to authenticate the network, and a gateway connected to the authentication server compares the XRES2 with the RES2 to authenticate the subscriber. Accordingly, an unauthorized user is prevented from using a network, and a subscriber's personal information is protected from being revealed to a fake server.

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Citation (search report)
• [I] WO 0203730 A1 20020110 - NOKIA CORP [FI], et al
• [I] WO 0176134 A1 20011011 - NOKIA CORP [FI]
• [A] ANDREW S. TANENBAUM: "Computer Networks (4th Edition)", 19 August 2002, PRENTICE HALL PTR, pages: 786 - 788, XP002679622
• See references of WO 2005060150A1

Designated contracting state (EPC)
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WO 2005060150 A1 20050630; CN 1918843 A 20070221; CN 1918843 B 20110209; EP 1695480 A1 20060830; EP 1695480 A4 20120829; KR 100546778 B1 20060125; KR 20050060839 A 20050622

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