

Title (en)  
FAST RE-AUTHENTICATION METHOD IN UMTS

Title (de)  
SCHNELLES NEUAUTHENTIFIZIERUNGSVERFAHREN BEI UMTS

Title (fr)  
PROCÉDÉ DE RÉAUTHENTIFICATION RAPIDE DANS UN UMTS

Publication  
**EP 1992185 A4 20130102 (EN)**

Application  
**EP 07715525 A 20070307**

Priority  
• KR 2007001125 W 20070307  
• KR 20060021334 A 20060307  
• KR 20060113448 A 20061116

Abstract (en)  
[origin: WO2007102702A2] The present invention relates to a fast re-authentication method in a UMTS (universal mobile telecommunications system) during handover between a WLAN (wireless local area network) and the UMTS. A fast re-authentication message is added to a PMM (packet mobility management) protocol, which is a packet mobility management protocol, in the UMTS, which is a 3G mobile communication system, and a re-authentication identifier is added to the existing authentication and encryption message, which makes it possible to perform a fast re-authentication process on a mobile terminal subscriber when handover occurs between a WLAN system and the UMTS and the inside of the UMTS. Therefore, it is possible to reduce a handover delay to the minimum by supporting fast re-authentication that is capable of reducing delay due to an algorithm process for authentication and the generation of authentication vectors and keys during the handover between the UMTS and the WLAN access system.

IPC 8 full level  
**H04W 4/00** (2018.01); **H04W 12/06** (2009.01)

CPC (source: EP KR)  
**H04L 63/0853** (2013.01 - EP); **H04W 4/00** (2013.01 - EP); **H04W 12/041** (2021.01 - KR); **H04W 12/0431** (2021.01 - EP);  
**H04W 12/06** (2013.01 - EP KR); **H04W 36/0038** (2013.01 - EP); **H04W 36/1446** (2023.05 - EP KR); **H04W 84/12** (2013.01 - KR);  
**H04L 63/061** (2013.01 - EP)

Citation (search report)  
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• [IA] HYEYEON KWON ET AL: "Consideration of UMTS-WLAN Seamless Handover", MULTIMEDIA, SEVENTH IEEE INTERNATIONAL SYMPOSIUM ON IRVINE, CA, USA 12-14 DEC. 2005, PISCATAWAY, NJ, USA, IEEE, 12 December 2005 (2005-12-12), pages 649 - 656, XP010870597, ISBN: 978-0-7695-2489-4, DOI: 10.1109/ISM.2005.45  
• [A] HAVERINEN H ET AL: "Extensible Authentication Protocol Method for Global System for Mobile Communications (GSM) Subscriber Identity Modules (EAP-SIM); rfc4186.txt", 20060101, 1 January 2006 (2006-01-01), XP015054875, ISSN: 0000-0003  
• [A] "3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Generic access to the A/Gb interface; Stage 2 (Release 6)", 3GPP STANDARD; 3GPP TS 43.318, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. V6.5.0, 1 January 2006 (2006-01-01), pages 1 - 70, XP050378328

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007102702 A2 20070913; WO 2007102702 A3 20081113**; EP 1992185 A2 20081119; EP 1992185 A4 20130102;  
KR 100755394 B1 20070904

DOCDB simple family (application)  
**KR 2007001125 W 20070307**; EP 07715525 A 20070307; KR 20060113448 A 20061116