

Title (en)  
METHOD OF COMMUNICATION UNDER NETWORK CONDITION CONVERGING CELLULAR NETWORK AND WLAN

Title (de)  
VERFAHREN ZUR KOMMUNIKATION UNTER NETZWERKBEDINGUNGEN ÜBER ZELLULÄRE NETZWERKE UND WLANS

Title (fr)  
PROCÉDÉ DE COMMUNICATION SELON UNE CONDITION DE RÉSEAU FAISANT CONVERGER UN RÉSEAU CELLULAIRE ET UN RÉSEAU WLAN

Publication  
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Application  
**EP 12793011 A 20120330**

Priority

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- IB 2012000903 W 20120330

Abstract (en)  
[origin: WO2012164363A1] The invention relates to a method of communication for an access control apparatus under network condition converging cellular network and WLAN, comprising the following steps: receiving an uplink data package from an user equipment; retrieving a destination address of the uplink data package from the received uplink data package; determining the attribution of the destination address, if the destination address is attributed to the fixed network segment, then routing the uplink data package to the fixed access network through Network Address Translation function; if the destination address is attributed to the mobile core network segment, then routing the uplink data package to the mobile core network through Network Address Translation function. Using the method of this invention, WLAN and mobile core network are simply converged together, and the cellular access network and the mobile core network are offloaded. Furthermore, the proposed method would not influence the other parts of the network, and thus has the advantageous of good compatibility.

IPC 8 full level  
**H04L 29/12** (2006.01); **H04L 45/741** (2022.01); **H04W 8/08** (2009.01); **H04W 40/02** (2009.01)

CPC (source: EP KR)  
**H04L 12/5692** (2013.01 - EP); **H04W 8/082** (2013.01 - EP); **H04W 40/02** (2013.01 - KR); **H04W 84/02** (2013.01 - KR); **H04L 61/2503** (2013.01 - EP); **H04L 61/2514** (2013.01 - EP); **H04W 8/26** (2013.01 - EP)

Citation (search report)

- [I] WO 2010039084 A1 20100408 - ERICSSON TELEFON AB L M [SE], et al
- [I] US 2009268668 A1 20091029 - TINNAKORNSRISUPHAP PEERAPOL [US], et al
- [I] EP 2179557 A1 20100428 - ERICSSON TELEFON AB L M [SE]
- [A] "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; 3GPP system to Wireless Local Area Network (WLAN) interworking; System description (Release 10)", 29 March 2011 (2011-03-29), XP050904431, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Specs/2014-12/Rel-10/23\_series/> [retrieved on 20110329]
- See references of WO 2012164363A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**IB 2012000903 W 20120330**; CN 201110141890 A 20110527; EP 12793011 A 20120330; JP 2014511965 A 20120330; KR 20137034198 A 20120330