

Title (en)  
DYNAMIC TEMPORARY MAC ADDRESS GENERATION IN WIRELESS NETWORKS

Title (de)  
DYNAMISCHE TEMPORÄRE MAC-ADRESSENERZEUGUNG IN DRAHTLOSEN NETZEN

Title (fr)  
GÉNÉRATION D'ADRESSES MAC TEMPORAIRES DYNAMIQUES DANS DES RÉSEAUX SANS FIL

Publication  
**EP 2060134 A4 20120801 (EN)**

Application  
**EP 06801960 A 20060818**

Priority  
US 2006032535 W 20060818

Abstract (en)  
[origin: WO2008020856A1] Unique temporary MAC addresses (Fig. 2, 203) are calculated by mobile devices connected to wireless networks, using access point advertising information (201) in combination with the permanent MAC address of the mobile device (202). The mobile devices use a hash function to construct a bit sequence from which a temporary MAC address can be extracted. The MAC address is unique over the entire region in which the mobile device can operate, without necessity of any coordination or negotiation between various access points of the region.

IPC 8 full level  
**H04L 29/06** (2006.01); **H04L 29/12** (2006.01); **H04W 8/26** (2009.01)

CPC (source: EP)  
**H04L 61/5092** (2022.05); **H04L 63/0414** (2013.01); **H04W 8/26** (2013.01); **H04L 2101/604** (2022.05); **H04L 2101/622** (2022.05)

Citation (search report)

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- [A] US 2006120317 A1 20060608 - ZHENG HEYUN [US]
- [I] EDNEY J: "Temporary MAC Addresses for Anonymity", IEEE, PISCATAWAY, NJ, USA, 14 March 2002 (2002-03-14), pages 1 - 5, XP040383749
- [I] NARTEN T ET AL: "RFC 3041: Privacy Extensions for Stateless Address Autoconfiguration in IPv6", IETF REQUEST FOR COMMENTS, XX, XX, 1 January 2001 (2001-01-01), pages 1 - 17, XP002181525
- [A] GRUTESER M ET AL: "ENHANCING LOCATION PRIVACY IN WIRELESS LAN THROUGH DISPOSABLE INTERFACE IDENTIFIERS: A QUANTITATIVE ANALYSIS", WMASH 2003. PROCEEDINGS OF THE 1ST. ACM INTERNATIONAL WORKSHOP ON WIRELESS MOBILE APPLICATIONS AND SERVICES ON WLAN HOTSPOTS. SAN DIEGO, CA, SEPT. 19, 2003; [PROCEEDINGS OF THE ACM INTERNATIONAL WORKSHOP ON WIRELESS MOBILE APPLICATIONS AND SERVICES O, 19 September 2003 (2003-09-19), pages 46 - 55, XP001046685, ISBN: 978-1-58113-768-2, DOI: 10.1145/941326.941334
- See references of WO 2008020856A1

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