

Title (en)

APPARATUS AND METHOD OF USING A CIPHERING KEY IN A HYBRID COMMUNICATIONS NETWORK

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VERWENDUNG EINES CHIFFRIERSCHLÜSSELS IN EINEM HYBRIDEN KOMMUNIKATIONSNETZ

Title (fr)

APPAREIL ET PROCEDE D'UTILISATION D'UNE CLE DE CHIFFREMENT DANS UN RESEAU DE TELECOMMUNICATION HYBRIDE

Publication

EP 1464190 A4 20091230 (EN)

Application

EP 02786950 A 20021205

Priority

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- US 34075501 P 20011207
- US 35040102 P 20020117
- US 7750202 A 20020214
- US 35849102 P 20020219

Abstract (en)

[origin: WO03051072A1] A method of using a ciphering key in a mobile station (18) from a first base station (12) in a first cellular communications system controlled by a first mobile switching control (10) station to a second base station in a second, different cellular system controlled by a second mobile switching control station is described. The method comprises generating for the mobile station a cipher key for use by the mobile station during communication in the second cellular communications system. The cipher key is generated by the mobile station from a private key assigned to the mobile station for the second cellular communications system and from a random number generated by the second cellular communications system. The cipher key is then communicated to the first mobile system and a private long code is generated for use by the mobile station during communication in the first cellular communications system.

IPC 1-7

H04Q 7/20; **H04Q 7/38**

IPC 8 full level

H04L 9/08 (2006.01); **H04B 7/26** (2006.01); **H04L 9/14** (2006.01); **H04L 9/32** (2006.01); **H04W 12/04** (2009.01); **H04W 36/12** (2009.01); **H04W 36/14** (2009.01)

CPC (source: EP KR)

H04L 63/0457 (2013.01 - KR); **H04L 63/06** (2013.01 - EP KR); **H04W 12/03** (2021.01 - EP); **H04W 12/04** (2013.01 - EP KR); **H04W 80/02** (2013.01 - KR); **H04L 63/0457** (2013.01 - EP); **H04L 2463/061** (2013.01 - EP KR); **H04W 80/02** (2013.01 - EP)

Citation (search report)

- [X] WO 0024139 A1 20000427 - QUALCOMM INC [US]
- [A] WO 0120925 A2 20010322 - ERICSSON TELEFON AB L M [SE]
- See references of WO 03051072A1

Citation (examination)

US 5697055 A 19971209 - GILHOUSEN KLEIN S [US], et al

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DOCDB simple family (publication)

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