

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 A1 20041006 (EN)

Application

EP 02786950 A 20021205

Priority

- US 0239209 W 20021205
- 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

H04B 7/216 (2006.01); **H04B 7/26** (2006.01); **H04L 9/08** (2006.01); **H04L 9/14** (2006.01); **H04L 9/32** (2006.01); **H04L 29/06** (2006.01); **H04Q 7/20** (2006.01); **H04Q 7/38** (2006.01); **H04W 12/04** (2009.01); **H04W 36/12** (2009.01); **H04W 36/14** (2009.01)

IPC 8 main group level

H04Q (2006.01)

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)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03051072 A1 20030619; AR 037759 A1 20041201; AU 2002351302 A1 20030623; AU 2002351302 B2 20080131; BR 0214690 A 20041130; CA 2468938 A1 20030619; CN 1290346 C 20061213; CN 1618241 A 20050518; EP 1464190 A1 20041006; EP 1464190 A4 20091230; HK 1074959 A1 20051125; IL 162359 A0 20051120; JP 2005512471 A 20050428; JP 2011229185 A 20111110; KR 101036699 B1 20110524; KR 20050044738 A 20050512; MX PA04005487 A 20041206; TW 200306125 A 20031101; TW I272020 B 20070121

DOCDB simple family (application)

US 0239209 W 20021205; AR P020104764 A 20021209; AU 2002351302 A 20021205; BR 0214690 A 20021205; CA 2468938 A 20021205; CN 02827524 A 20021205; EP 02786950 A 20021205; HK 05107176 A 20050818; IL 16235902 A 20021205; JP 2003552012 A 20021205; JP 2011156794 A 20110715; KR 20047008761 A 20021205; MX PA04005487 A 20021205; TW 91135437 A 20021206