

Title (en)
AUTHENTICATION IN A HYBRID COMMUNICATIONS NETWORK

Title (de)
AUTHENTISIERUNG IN EINEM HYBRIDEN KOMMUNIKATIONSNETZ

Title (fr)
AUTHENTIFICATION D'UN RESEAU DE COMMUNICATION HYBRIDE

Publication
EP 1451966 A4 20100929 (EN)

Application
EP 02784763 A 20021205

Priority

- US 0239208 W 20021205
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- US 35040102 P 20020117
- US 7765102 A 20020214
- US 35847102 P 20020219

Abstract (en)
[origin: WO03050995A1] A method of authenticating a mobile station (18) from a first base station (12) in a first cellular communications system controlled by a first mobile switching control station (10) to a second base station (14) in a second, different cellular system controlled by a second mobile switching control station is described. The method comprises generating at the second cellular communication system an authentication code as the result of applying an algorithm to a private key assigned to the mobile station for the second cellular communications system and a random number generated by the second cellular communications system. An authentication code is also generated at the first cellular communication system as the result of applying an algorithm to the private key and the random number. The authentication code generated at the first cellular communication system is then transmitted to a mobile station in a data packet, and, from there, the authentication code is transmitted to the second cellular communication system. The authentication code generated at the first cellular communications system is then compared with the authentication code generated at the second cellular communications system.

IPC 8 full level
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H04L 63/0823 (2013.01 - EP KR US); **H04W 12/06** (2013.01 - KR); **H04W 12/062** (2021.01 - EP US); **H04W 36/1443** (2023.05 - EP KR)

Citation (search report)

- [A] US 5697055 A 19971209 - GILHOUSEN KLEIN S [US], et al
- [A] WO 9631078 A1 19961003 - QUALCOMM INC [US]
- [A] WO 9731503 A1 19970828 - QUALCOMM INC [US]
- [A] WO 0024139 A1 20000427 - QUALCOMM INC [US]
- See also references of WO 03050995A1

Designated contracting state (EPC)
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WO 03050995 A1 20030619; AR 039072 A1 20050209; AU 2002346692 A1 20030623; CA 2469560 A1 20030619; CN 100473000 C 20090325; CN 1618197 A 20050518; EP 1451966 A1 20040901; EP 1451966 A4 20100929; IL 162375 A0 20051120; IL 162375 A 20100616; JP 2005512459 A 20050428; JP 4597520 B2 20101215; KR 20050044740 A 20050512; MY 139213 A 20090828; TW 200302670 A 20030801; TW I279150 B 20070411

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