

Title (en)

METHOD FOR REMOTE LOADING OF AN ENCRYPTION KEY IN A TELECOMMUNICATION NETWORK STATION

Title (de)

VERFAHREN ZUM FERNLADEN EINES KRYPTOGRAPHISCHEN SCHLÜSSELS ZU EINER KOMMUNIKATIONSEINRICHTUNG

Title (fr)

PROCEDE DE CHARGEMENT A DISTANCE D'UNE CLE DE CRYPTAGE DANS UN POSTE D'UN RESEAU DE TELECOMMUNICATION

Publication

EP 1402746 A2 20040331 (FR)

Application

EP 02751258 A 20020617

Priority

- FR 0202088 W 20020617
- FR 0107865 A 20010615

Abstract (en)

[origin: FR2826212A1] Method of loading a cryptographic key, associated with a transaction application, into a subscribers SIM identification card or module (18) in a mobile equipment (36,38). Includes a stage to detect the absence of the key or a need to activate the key in the SIM card. Then a stage to load the key in a secure way during a communication session for the mobile unit on the telecommunication network. The key detection stage is done by analysis of at least cryptographic certificate or SIM card identification request for a telecommunication session effected in the subscribers identify module SIM card and in a server connected to a key server. The tele- loading stages comprise, encrypt the key provided by the key server using a transmission key; transmit the encrypted key to the subscribers SIM identification card; decrypt in the SIM card the key using the transmission key, and; record the decrypted key in the SIM card. Independent claims are also included for the following; (1) Subscribers SIM card; (2) key server, (3) service provider server.

IPC 1-7

H04Q 7/32; **H04L 9/08**

IPC 8 full level

H04L 9/08 (2006.01); **H04L 29/06** (2006.01); **H04W 8/24** (2009.01)

CPC (source: EP US)

H04L 9/083 (2013.01 - EP US); **H04L 9/0891** (2013.01 - EP US); **H04L 9/0897** (2013.01 - EP US); **H04L 63/062** (2013.01 - EP US); **H04W 12/04** (2013.01 - EP US); **H04W 12/35** (2021.01 - EP US); **H04L 2209/56** (2013.01 - EP US); **H04L 2209/80** (2013.01 - EP US); **H04W 8/245** (2013.01 - EP US); **H04W 12/06** (2013.01 - EP US)

Citation (search report)

See references of WO 03003772A2

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FR 2826212 A1 20021220; **FR 2826212 B1 20041119**; AU 2002351925 A1 20030303; CN 1392743 A 20030122; EP 1402746 A2 20040331; US 2004240671 A1 20041202; WO 03003772 A2 20030109; WO 03003772 A3 20030227

DOCDB simple family (application)

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