Title (en)

METHOD AND APPARATUS FOR ESTABLISHING AN ELECTRICAL CONNECTION AND ESTABLISHING A FIBER OPTIC CONNECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER ELEKTRISCHEN VERBINDUNG UND EINER FASEROPTISCHEN VERBINDUNG

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT D'ÉTABLIR UNE CONNEXION ÉLECTRIQUE ET D'ÉTABLIR UNE CONNEXION PAR FIBRE OPTIQUE

Publication

**EP 2556623 A4 20170308 (EN)**

Application

**EP 10848287 A 20100324**

Priority

IB 2010000662 W 20100324

Abstract (en)

[origin: WO2011117664A1] An apparatus for sending or receiving a cryptographic key through a fiber optic connection may include a fiber optic module (80) for sending or receiving the cryptographic key and converting the cryptographic key from or to electronic data. The cryptographic key may be stored in a memory device (76). A cryptography module (82) may allow the apparatus to securely transmit sensitive data. The apparatus may send or receive the cryptographic key through a fiber optic connection (18) which may include a data cable. The apparatus may include a battery (78) which is charged through an electrical connection (16) such as through a power cable. The apparatus may in some embodiments be embodied in a charger (12) for a user terminal (50a), or in the user terminal (50a) itself.

IPC 8 full level

**H04L 9/08** (2006.01); **G09C 1/00** (2006.01); **H04L 9/40** (2022.01)

CPC (source: EP)

**G09C 1/00** (2013.01); **H04L 9/0852** (2013.01); H04L 2209/80 (2013.01)

Citation (search report)

- [X] US 2008031456 A1 20080207 - HARRISON KEITH ALEXANDER [GB], et al
- [T] ANTHONY LAING ET AL: "Reference frame independent quantum key distribution", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 4 March 2010 (2010-03-04), XP080395714, DOI: 10.1103/PHYSREVA.82.012304
- See references of WO 2011117664A1

Designated contracting state (EPC)

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