

Title (en)

SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS

Title (de)

SELBSTIDENTIFIZIERENDES UNIDIREKTIONALES AUTHENTIFIZIERUNGSVERFAHREN UNTER VERWENDUNG OPTISCHER SIGNALE

Title (fr)

PROCÉDÉ D'AUTHENTIFICATION UNIDIRECTIONNELLE D'AUTO-IDENTIFICATION UTILISANT DES SIGNAUX OPTIQUES

Publication

EP 2910019 A4 20160824 (EN)

Application

EP 13847543 A 20131021

Priority

- US 201261715950 P 20121019
- US 201314019376 A 20130905
- US 2013065923 W 20131021

Abstract (en)

[origin: WO2014063150A2] In one aspect, the present disclosure relates to a self-identifying optical transmitter for broadcasting a one-way authentication code using light-based communication. The transmitter may include a memory for storing an identifier of the transmitter, a processor for generating a data signal including an identifier of the transmitter, a modulator for receiving the data signal and generating an electrical signal, the modular generating the electrical signal by modulating the data signal. The transmitter may also include a light source for receiving the electrical signal, converting the electrical signal into an optical signal, and continuously broadcasting the optical signal as an optical data transmission stream. The optical data transmission stream may be used to verify that a receiving mobile device is near the transmitter. The transmitter may also include an optical surface for dispersing the optical data transmission stream as the optical data transmission stream is emitted from the transmitter.

IPC 8 full level

H04B 10/116 (2013.01)

CPC (source: EP)

H04B 10/116 (2013.01)

Citation (search report)

- [I] WO 2012093241 A1 20120712 - TOSHIBA RES EUROP LTD [GB], et al
- [I] US 2012133815 A1 20120531 - NAKANISHI KOJI [JP], et al
- [I] EP 2443911 A1 20120425 - KONINKL PHILIPS ELECTRONICS NV [NL]
- See references of WO 2014063150A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014063150 A2 20140424; WO 2014063150 A3 20140703; CA 2892923 A1 20140524; CA 2892923 C 20201006; EP 2910019 A2 20150826; EP 2910019 A4 20160824

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