

Title (en)

METHOD AND DEVICE FOR FORMING A SECURE WIRELESS NETWORK WITH LIMITED RESOURCES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES SICHEREN DRAHTLOSEN NETZWERKS MIT BEGRENZTEN RESSOURCEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FORMER UN RESEAU SANS FIL SECURISE A FAIBLES RESSOURCES

Publication

**EP 2979391 A1 20160203 (FR)**

Application

**EP 14713118 A 20140327**

Priority

- FR 1352815 A 20130328
- EP 2014056174 W 20140327

Abstract (en)

[origin: WO2014154813A1] The invention relates to a method and a device for forming a secure wireless network for nodes with limited resources, between which no previous trust relationship exists. The method can be used to generate a list of neighbouring nodes for a requesting node and subsequently to establish a secure channel between the requesting node and an authentication entity. A security association is established with each neighbouring node on the basis of master session keys shared with the neighbouring nodes with limited resources on the list, said master session keys being received over the secure channel.

IPC 8 full level

**H04L 9/08** (2006.01); **H04W 12/04** (2009.01)

CPC (source: EP US)

**H04L 9/083** (2013.01 - EP US); **H04L 63/06** (2013.01 - EP US); **H04L 63/08** (2013.01 - EP US); **H04L 63/10** (2013.01 - US); **H04W 12/0431** (2021.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04L 63/162** (2013.01 - EP US); **H04W 12/04** (2013.01 - US); **H04W 84/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2014154813A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014154813 A1 20141002**; CN 105103489 A 20151125; EP 2979391 A1 20160203; FR 3004046 A1 20141003; FR 3004046 B1 20150417; JP 2016521030 A 20160714; US 2016285844 A1 20160929; US 9774585 B2 20170926

DOCDB simple family (application)

**EP 2014056174 W 20140327**; CN 201480018162 A 20140327; EP 14713118 A 20140327; FR 1352815 A 20130328; JP 2016504678 A 20140327; US 201414778025 A 20140327