

Title (en)

METHOD FOR THE AUTHENTICATED ESTABLISHMENT OF A CONNECTION BETWEEN AN EQUIPMENT CONNECTED TO AT LEAST ONE COMMUNICATION NETWORK AND A SERVER OF A SERVICE PROVIDER, AND CORRESPONDING DEVICES

Title (de)

VERFAHREN ZUM AUTHENTIFIZIERTEN VERBINDUNGSaufbau ZWISCHEN EINEM AN MINDESTENS EIN KOMMUNIKATIONSNETZ ANGESCHLOSSENEN GERÄT UND EINEM SERVER EINES DIENSTANBIETERS UND ENTSPRECHENDE VORRICHTUNGEN

Title (fr)

PROCEDE D'ETABLISSEMENT AUTHENTIFIE D'UNE CONNEXION ENTRE UN EQUIPEMENT RACCORDE A AU MOINS UN RESEAU DE COMMUNICATION ET UN SERVEUR D'UN FOURNISSEUR DE SERVICES ET DISPOSITIFS CORRESPONDANTS

Publication

EP 4367831 A1 20240515 (FR)

Application

EP 22754900 A 20220708

Priority

- FR 2107523 A 20210709
- FR 2022051376 W 20220708

Abstract (en)

[origin: WO2023281231A1] Method for the authenticated establishment of a connection between an equipment connected to at least one communication network and a server of a service provider, and corresponding devices. The invention relates to a solution for providing a certificate to an equipment in an "edge computing" environment. Existing authentication solutions are not well suited to the context of "edge computing" since they cannot meet the demands required to manage these equipments, which may be deployed in distributed infrastructures but which may, above all, be reconfigured, suspended, removed, reactivated or even reassigned to another master node depending on the requirements to be met. The solution that is the subject of the present invention makes it possible, by reusing components that are already present in a communication network, to reliably authenticate such an equipment by providing it with a certificate the integrity of which cannot be called into question since the trusted third party who issued the certificate is the operator managing the communication network.

IPC 8 full level

H04L 9/32 (2006.01); **H04L 9/40** (2022.01); **H04L 67/10** (2022.01)

CPC (source: EP US)

H04L 9/3263 (2013.01 - EP); **H04L 63/0807** (2013.01 - EP); **H04L 63/0823** (2013.01 - EP US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2023281231 A1 20230112; CN 117643014 A 20240301; EP 4367831 A1 20240515; FR 3125191 A1 20230113; US 2024275776 A1 20240815

DOCDB simple family (application)

FR 2022051376 W 20220708; CN 202280048378 A 20220708; EP 22754900 A 20220708; FR 2107523 A 20210709; US 202218577490 A 20220708