

Title (en)
PROCEDURE OF UNIFIED GLOBAL REGISTRATION AND UNIVERSAL IDENTIFICATION OF SPATIALLY LOCATABLE OBJECTS

Title (de)
VERFAHREN ZUR EINHEITLICHEN GLOBALEN REGISTRIERUNG UND UNIVERSELLEN IDENTIFIZIERUNG VON RÄUMLICH
LOKALISIERBAREN OBJEKTEN

Title (fr)
PROCÉDURE D'ENREGISTREMENT GLOBAL UNIFIÉ ET D'IDENTIFICATION UNIVERSELLE D'OBJETS LOCALISABLES DANS L'ESPACE

Publication
EP 4000284 A4 20230802 (EN)

Application
EP 20844291 A 20200720

Priority

- IB 2020056802 W 20200720
- US 202016744314 A 20200116
- ES 201931247 U 20190720

Abstract (en)
[origin: WO2021014335A1] A procedure of unified registration and universal identification in any territory of spatially locatable objects, in order to achieve interoperability between objects or spatial locations, different types of computing systems, the procedure comprising: generation of a unique and non-transferable identifier for each connected, smart and spatial object device, in the URN UUID, OID and DID formats, without discarding others; creation of a DID document associated with the generated identifier; association of different identifiers of the object and of the user / owner; assignment of permissions, roles and creation of access control list (ACL); creation of encryption keys associated with the ACL; save in the DID document both data, service identifiers and other associated identifiers, as well as necessary permissions for accessing to object data; digital fingerprint generation of the DID document using hash; associated data and hash storage in the system and in one or more DLTs or blockchain networks.

IPC 8 full level
H04W 4/029 (2018.01); **H04L 9/00** (2022.01); **H04L 9/40** (2022.01); **H04W 4/80** (2018.01)

CPC (source: EP)
H04L 9/0894 (2013.01); **H04L 9/50** (2022.05); **H04L 63/101** (2013.01); **H04W 4/029** (2018.02); **H04W 4/80** (2018.02); **H04L 2209/56** (2013.01)

Citation (search report)

- [I] EP 3306559 A1 20180411 - CONECTATE SOLUCIONES Y APLICACIONES S L U [ES]
- [I] MUJAHID MUHAMMAD ET AL: "Survey on existing authentication issues for cellular-assisted V2X communication", VEHICULAR COMMUNICATIONS, vol. 12, 1 April 2018 (2018-04-01), NL, pages 50 - 65, XP055536064, ISSN: 2214-2096, DOI: 10.1016/j.vehcom.2018.01.008
- [I] ANONYMOUS: "Decentralized Identifiers (DIDs) v0.9", 12 February 2018 (2018-02-12), XP055855370, Retrieved from the Internet <URL:https://web.archive.org/web/20180212212114/https://w3c-ccg.github.io/did-spec/#proof-optional> [retrieved on 20211027]
- See also references of WO 2021014335A1

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 2021014335 A1 20210128; WO 2021014335 A8 20210218; CN 114402633 A 20220426; EP 4000284 A1 20220525;
EP 4000284 A4 20230802

DOCDB simple family (application)
IB 2020056802 W 20200720; CN 202080064698 A 20200720; EP 20844291 A 20200720