

Title (en)  
DECENTRALIZED CYBERSECURE PRIVACY NETWORK FOR CLOUD COMMUNICATION AND GLOBAL E-COMMERCE

Title (de)  
DEZENTRALES CYBERSICHERES DATENSCHUTZNETZWERK FÜR CLOUD-KOMMUNIKATION UND GLOBALEN ELEKTRONISCHEN HANDEL

Title (fr)  
RÉSEAU DE PROTECTION DE CONFIDENTIALITÉ CYBERSÉCURISÉ DÉCENTRALISÉ POUR LA COMMUNICATION EN NUAGE ET LE COMMERCE ÉLECTRONIQUE GLOBAL

Publication  
**EP 3821572 A4 20220629 (EN)**

Application  
**EP 19835060 A 20190710**

Priority  
• US 201862696160 P 20180710  
• US 2019041259 W 20190710

Abstract (en)  
[origin: WO2020014399A1] Software installed in the nodes in a communication network allows them to perform a "name server" function, which entails the management of a dynamic list of the client devices that are connected to the cloud, a "task" function, which entails the receipt and transmission of the packets, and an "authority" function, which entails the determination of the routes of the packets through the cloud. Each node is capable of performing only one function at a time. After completing a job, a node reverts to an undifferentiated, state awaiting its next performance request.

IPC 8 full level  
**G06F 21/30** (2013.01); **H04L 9/40** (2022.01); **H04L 45/64** (2022.01)

CPC (source: EP IL KR)  
**G06F 21/31** (2013.01 - EP IL KR); **G06F 21/606** (2013.01 - EP IL KR); **H04L 9/00** (2013.01 - IL); **H04L 9/005** (2013.01 - IL); **H04L 9/006** (2013.01 - IL); **H04L 9/062** (2013.01 - IL KR); **H04L 9/34** (2013.01 - IL KR); **H04L 9/50** (2022.05 - IL KR); **H04L 45/00** (2013.01 - EP IL); **H04L 45/02** (2013.01 - EP IL); **H04L 63/0414** (2013.01 - EP IL); **H04L 63/0464** (2013.01 - EP IL KR); **H04L 63/0823** (2013.01 - EP IL); **H04L 63/102** (2013.01 - IL KR); **H04L 63/1433** (2013.01 - EP IL); **H04L 63/1441** (2013.01 - EP IL); **H04L 67/108** (2013.01 - IL KR); **H04L 67/63** (2022.05 - EP IL KR)

Citation (search report)  
• [Y] US 9998434 B2 20180612 - VERZUN IEVGEN [UA], et al  
• [XY] ANONYMOUS: "The Wayback Machine -https Creating Virtual Routers Managing Virtual Routers", 3 April 2017 (2017-04-03), XP055922268, Retrieved from the Internet <URL:https://web.archive.org/web/20170403014140/https://docs.vonecloud.today/2.2/infrastructure\_configuration/virtual\_routers.html> [retrieved on 20220517]  
• [A] DOVERSPIKE ROBERT ET AL: "Using sdn technology to enable cost-effective bandwidth-on-demand for cloud services [Invited]", JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING, IEEE, USA, vol. 7, no. 2, February 2015 (2015-02-01), XP011572856, ISSN: 1943-0620, [retrieved on 20150206], DOI: 10.1364/JOCN.7.00A326  
• See also references of WO 2020014399A1

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 2020014399 A1 20200116; WO 2020014399 A8 20210506**; AU 2019301150 A1 20201224; CN 113273146 A 20210817; CN 113273146 B 20230602; EP 3821572 A1 20210519; EP 3821572 A4 20220629; IL 280036 A 20210301; IL 280036 B1 20231001; IL 280036 B2 20240201; JP 2021530907 A 20211111; JP 2023022116 A 20230214; JP 7194258 B2 20221221; JP 7496996 B2 20240610; KR 102545334 B1 20230620; KR 20210044219 A 20210422; SG 11202100218Q A 20210225

DOCDB simple family (application)  
**US 2019041259 W 20190710**; AU 2019301150 A 20190710; CN 201980059306 A 20190710; EP 19835060 A 20190710; IL 28003621 A 20210108; JP 2021500581 A 20190710; JP 2022183881 A 20221117; KR 20217004269 A 20190710; SG 11202100218Q A 20190710