Title (en)
CENTRALIZED SON ASSISTED MULTI HOP DISCOVERY AND MANAGEMENT

Title (de)
DURCH EIN ZENTRALISIERTES SELBSTORGANISIERENDES NETZWERK (SON) UNTERSTÜTZTE MULTI-HOP-ENTDECKUNG UND - VERWALTUNG

Title (fr)
DÉCOUVERTE ET GESTION DE SAUTS MULTIPLES ASSISTÉES PAR SON CENTRALISÉ

Publication
**EP 3837880 A4 20220309 (EN)**

Application
**EP 18930413 A 20180813**

Priority
US 2018046533 W 20180813

Abstract (en)
[origin: WO2020036585A1] Systems, methods, and computer-readable media are provided for determining a shortest path from an anchor node to a serving node in a network for managing the serving node and providing integrated access backhaul. An aspect of the present disclosure includes a Self Organizing Network (SON) server with one or more memories have computer-readable instructions stored thereon and one or more processors. The one or more processors configured to execute the computer-readable instructions to determine that a new serving node is registered in a network, the new serving node provide wireless access services to one or more end points communicatively coupled thereto; determine a shortest path in the network between an anchor node and the new serving node, the anchor node providing backhaul access to core network to nodes of the network and end points using services of the network; and configure the new serving node via the shortest path.

IPC 8 full level
**H04L 45/12** (2022.01); **H04L 45/125** (2022.01); **H04W 24/02** (2009.01); **H04W 24/08** (2009.01); **H04W 40/34** (2009.01); **H04W 40/36** (2009.01); **H04W 88/18** (2009.01)

CPC (source: EP)
**H04L 45/12** (2013.01); **H04L 45/125** (2013.01); **H04W 24/02** (2013.01); **H04W 24/08** (2013.01); **H04W 40/34** (2013.01); **H04W 40/36** (2013.01); **H04W 88/18** (2013.01)

Citation (search report)
- [XI] WO 2008095127 A2 20080807 - ADVANCED TECHNOLOGUES HOLDINGS [US], et al
- [A] US 2016135107 A1 20160512 - HAMPEL KARL GEORG [US], et al
- See also references of WO 2020036585A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
**WO 2020036585 A1 20200220**; EP 3837880 A1 20210623; EP 3837880 A4 20220309

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**US 2018046533 W 20180813**; EP 18930413 A 20180813