

Title (en)
NETWORK MANAGEMENT SERVICES IN A POINT-OF-PRESENCE

Title (de)
NETZWERKVERWALTUNGSDIENSTE IN EINEM ANWESENHEITSPUNKT

Title (fr)
SERVICES DE GESTION DE RÉSEAU À POINT DE PRÉSENCE

Publication
EP 4282141 A1 20231129 (EN)

Application
EP 21854718 A 20211224

Priority

- US 202117384736 A 20210724
- US 202117384735 A 20210724
- US 202117384737 A 20210724
- US 202117384738 A 20210724
- US 2021065171 W 20211224

Abstract (en)
[origin: WO2023009159A1] A software-defined wide area network (SD-WAN) environment that leverages network virtualization management deployment is provided. Edge security services managed by the network virtualization management deployment are made available in the SD-WAN environment. Cloud gateways forward SD-WAN traffic to managed service nodes to apply security services. Network traffic is encapsulated with corresponding metadata to ensure that services can be performed according to the desired policy. Point-to-point tunnels are established between cloud gateways and the managed service nodes to transport the metadata to the managed service nodes using an overlay logical network. Virtual network identifiers (VNIs) in the metadata are used by the managed service nodes to identify tenants/policies. A managed service node receiving a packet uses provider service routers (T0-SR) and tenant service routers (T1-SRs) based on the VNI to apply the prescribed services for the tenant, and the resulting traffic is returned to the cloud gateway that originated the traffic.

IPC 8 full level
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Citation (search report)
See references of WO 2023009159A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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KH MA MD TN

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