

Title (en)
A FRAMEWORK FOR NETWORK TECHNOLOGY AGNOSTIC MULTI-CLOUD ELASTIC EXTENSION AND ISOLATION

Title (de)
RAHMEN ZUR ELASTISCHEN EXTENSION UND ISOLIERUNG VON NETZWERKTECHNOLOGIER-MULTI-CLOUD

Title (fr)
CADRICIEL POUR UNE EXTENSION ET UN ISOLEMENT ÉLASTIQUES MULTI-NUAGES AGNOSTIQUES DE TECHNOLOGIE DE RÉSEAU

Publication
EP 3158439 A1 20170426 (EN)

Application
EP 15731218 A 20150612

Priority

- US 201462015514 P 20140622
- US 201462015516 P 20140622
- US 201414538765 A 20141111
- US 2015035702 W 20150612

Abstract (en)
[origin: WO2015200012A1] Establishing an MCEE logical structure relating tenant resources of a tenant site, first non-tenant cloud resources at a first non-tenant cloud site, and second non-tenant cloud resources at a second non-tenant site. Mapping the MCEE logical structure nodes to a segmented end-to-end virtual network structure (E2E-VNS) such that the resources at each node of the MCEE logical structure is in a separate virtual network of the E2E-VNS. Establishing an extension and isolation (EXI) domain in the MCEE logical structure associating at least one node of the tenant resources with at least one node of the first non-tenant cloud and at least one node of the second non-tenant cloud. Connecting for network communications, the E2E-VNS virtual networks of the nodes of the EXI domain for isolation of the resources of the nodes of the EXI domain from the other resources of the MCEE logical structure in an EXI virtual network.

IPC 8 full level
G06F 9/50 (2006.01)

CPC (source: CN EP)
G06F 9/5072 (2013.01 - CN EP)

Citation (search report)
See references of WO 2015200012A1

Citation (examination)
MD FAIZUL BARI ET AL: "Data Center Network Virtualization: A Survey", IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, US, vol. 15, no. 2, 1 April 2013 (2013-04-01), pages 909 - 928, XP011508078, ISSN: 1553-877X, DOI: 10.1109/SURV.2012.090512.00043

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

DOCDB simple family (publication)
WO 2015200012 A1 20151230; CN 106462469 A 20170222; CN 106462469 B 20200804; EP 3158439 A1 20170426

DOCDB simple family (application)
US 2015035702 W 20150612; CN 201580033476 A 20150612; EP 15731218 A 20150612