Title (en)

METHOD AND APPARATUS FOR OPTIMIZED DISSEMINATION OF LAYER 3 FORWARDING INFORMATION IN SOFTWARE DEFINED NETWORKING (SDN) NETWORKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERTEN VERBREITUNG VON SCHICHT-3-WEITERLEITUNG VON INFORMATIONEN IN SOFTWARE-DEFINIERTEN VERNETZUNG(SDN)-NETZWERKEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR LA DISSÉMINATION OPTIMISÉE D'INFORMATIONS DE TRANSFERT DE COUCHE 3 DANS DES RÉSEAUX DE RÉSEAUTAGE DÉFINI PAR LOGICIEL (SDN)

Publication

EP 3804236 A1 20210414 (EN)

Application

EP 18920579 A 20180530

Priority

IN 2018050346 W 20180530

Abstract (en)

[origin: WO2019229760A1] Methods and apparatuses for configuring a plurality of network elements in a data plane of a network are described. A network controller selects designated network elements. The number of designated network elements is strictly less than the number of all of the plurality of network elements in the network. The network controller configures each designated network element to include a Layer 3 forwarding table including a forwarding table entry for each network element from the plurality of network elements. The remaining network elements from the plurality of network elements are non-designated network elements. The network controller configures each non-designated network element to include a Layer 3 forwarding table including a default forwarding table entry having a designated network element as a next hop destination for traffic flows causing each of the non-designated network elements to forward all traffic associated with the plurality of traffic flows to the designated network element.

IPC 8 full level

H04L 12/70 (2013.01); **G06F 9/44** (2018.01); **H04L 12/24** (2006.01)

CPC (source: EP)

H04L 45/02 (2013.01); **H04L 45/64** (2013.01)

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 2019229760 A1 20191205; EP 3804236 A1 20210414; EP 3804236 A4 20210609

DOCDB simple family (application)

IN 2018050346 W 20180530; EP 18920579 A 20180530