

Title (en)  
NETWORK MANAGEMENT DEVICE AND METHOD FOR MAPPING NETWORK DEVICES FROM VARIOUS TELECOM VENDORS

Title (de)  
NETZWERKVERWALTUNGSVORRICHTUNG UND VERFAHREN ZUR ABBILDUNG VON NETZWERKVORRICHTUNGEN VON VERSCHIEDENEN TELEKOM-VERKAUFSDIENSTERN

Title (fr)  
DISPOSITIF DE GESTION DE RÉSEAU ET PROCÉDÉ DE MISE EN MARCHÉ DES DISPOSITIFS DE RÉSEAU DE PLUSIEURS FOURNISSEURS DE TÉLÉCOMMUNICATIONS

Publication  
**EP 4183113 A1 20230524 (EN)**

Application  
**EP 20754206 A 20200806**

Priority  
EP 2020072080 W 20200806

Abstract (en)  
[origin: WO2022028696A1] The present disclosure relates generally to the field of software-defined networking, in particular to a solution for mapping device configurations of network devices from different telecom vendors in a telecommunication network. To this end, the disclosure proposes a network management device configured to obtain vendor-specific data, input the vendor-specific data into a siamese neural network model in order to compare device configurations, obtain similarity scores, and determine matched device configurations based on the similarity scores. In particular, vendor-specific data are represented into a form of vector or matrix by using word embeddings that are comprised in the siamese neural network model and trained on telecommunication protocols and/or specifications, such as Request for Comments (RFC) documents.

IPC 8 full level  
**H04L 41/00** (2022.01)

CPC (source: EP)  
**H04L 41/0806** (2013.01); **H04L 41/0895** (2022.05); **H04L 41/145** (2013.01); **H04L 41/16** (2013.01); **H04L 41/40** (2022.05); **H04L 41/083** (2013.01); **H04L 41/0853** (2013.01); **H04L 41/0886** (2013.01)

Citation (search report)  
See references of WO 2022028696A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022028696 A1 20220210**; EP 4183113 A1 20230524

DOCDB simple family (application)  
**EP 2020072080 W 20200806**; EP 20754206 A 20200806