

Title (en)
ORCHESTRATOR AND METHOD FOR VIRTUAL NETWORK EMBEDDING

Title (de)
ORCHESTRATOR UND VERFAHREN ZUR EINBETTUNG EINES VIRTUELLEN NETZWERKS

Title (fr)
MODULE D'ORCHESTRATION ET PROCÉDÉ POUR L'INCORPORATION DE RÉSEAU VIRTUEL

Publication
EP 3213461 A1 20170906 (EN)

Application
EP 14808547 A 20141125

Priority
EP 2014075543 W 20141125

Abstract (en)
[origin: WO2016082867A1] A virtual network embedding orchestrator (10) for orchestrating embedding of virtual networks into a physical network is provided. The virtual network embedding orchestrator (10) comprises a problem formulation unit (11), which is adapted to formulate an embedding problem (13) based upon information regarding the virtual networks, information regarding the physical network (12) at input parameters (17). Moreover, the problem formulation unit (11) is adapted to provide the embedding problem (13) to an external problem solving unit. The virtual network embedding orchestrator (10) moreover comprises a feedback processing unit (14) adapted to receive embedding results (16) and at least one output parameter (16) from the problem solving unit and determine at least one input parameter (17) of the problem formulation unit (11) based upon the embedding results (16) and the at least one output parameter (16) of the problem solving unit. The solver can a MIP solver. The at least one input parameter can be timeout, MIP gap or solving method.

IPC 8 full level
H04L 12/24 (2006.01); **G06F 17/11** (2006.01); **H04L 12/715** (2013.01)

CPC (source: EP)
G06F 9/45558 (2013.01); **H04L 41/122** (2022.05); **H04L 41/142** (2013.01); **H04L 41/145** (2013.01); **H04L 43/0882** (2013.01); **H04L 43/16** (2013.01); **G06F 2009/45595** (2013.01); **H04L 12/4641** (2013.01); **H04L 45/64** (2013.01)

Citation (search report)
See references of WO 2016082867A1

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

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