

Title (en)  
SELF-BALANCING NETWORK

Title (de)  
SELBSTAUSGLEICHENDES NETZWERK

Title (fr)  
RÉSEAU À AUTO-ÉQUILIBRAGE

Publication  
**EP 3763086 A4 20220302 (EN)**

Application  
**EP 19810870 A 20190528**

Priority  
• US 201862677156 P 20180528  
• US 2019034191 W 20190528

Abstract (en)  
[origin: WO2019231923A1] A self-balancing network may be created by establishing a single control point for a software- defined network (SDN). The SDN includes one or more network slices and utilizes a first network segment using non-routable IP addresses, a second network segment using routable IP addresses, and a third network segment. A first device and a second device are added to a network slice of the one or more network slices of the SDN. The first device is coupled to the first network segment. A network policy is obtained as a part of a service-level agreement for the network slice and at least one of the first network segment, the second network segment, or the third network segment, is configured, by the single control point, to enforce the network policy for communication between the first device and the second device.

IPC 8 full level  
**H04L 41/0893** (2022.01); **H04L 41/12** (2022.01); **H04L 41/5025** (2022.01); **H04L 41/5051** (2022.01); **H04L 67/00** (2022.01); **H04L 41/147** (2022.01); **H04L 61/2514** (2022.01); **H04W 24/02** (2009.01)

CPC (source: EP)  
**H04L 41/0895** (2022.05); **H04L 41/122** (2022.05); **H04L 41/40** (2022.05); **H04L 41/5025** (2013.01); **H04L 41/5051** (2013.01); **H04L 67/34** (2013.01); **H04W 24/02** (2013.01); **H04L 41/147** (2013.01); **H04L 61/2514** (2013.01)

Citation (search report)  
• [IY] US 2014337497 A1 20141113 - WANSER KELLY [US], et al  
• [YA] EP 3215953 A1 20170913 - HUAWEI TECH CO LTD [CN]  
• [A] WO 2017070004 A1 20170427 - ZTE USA INC [US]  
• [A] KITINDI EDVIN J ET AL: "Wireless Network Virtualization With SDN and C-RAN for 5G Networks: Requirements, Opportunities, and Challenges", IEEE ACCESS, vol. 5, 12 October 2017 (2017-10-12), pages 19099 - 19115, XP011661963, DOI: 10.1109/ACCESS.2017.2744672  
• See references of WO 2019231923A1

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

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