

Title (en)

FRAMEWORKS AND INTERFACES FOR OFFLOAD DEVICE-BASED PACKET PROCESSING

Title (de)

RAHMEN UND SCHNITTSTELLEN ZUR ENTLASTUNG EINER VORRICHTUNGSBASIERTEN PAKETVERARBEITUNG

Title (fr)

STRUCTURES ET INTERFACES POUR UN TRAITEMENT DE PAQUETS BASÉ SUR UN DISPOSITIF DE DÉLESTAGE

Publication

EP 2691865 A1 20140205 (EN)

Application

EP 12763168 A 20120329

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- US 2012031121 W 20120329

Abstract (en)

[origin: WO2012135442A1] High-speed processing of packets to, and from, a virtualization environment can be provided while utilizing hardware-based segmentation offload and other such functionality. A hardware vendor such as a network interface card (NIC) manufacturer can enable the hardware to support open and proprietary stateless tunneling in conjunction with a protocol such as single root I/O virtualization (SR-IOV) in order to implement a virtualized overlay network. The hardware can utilize various rules, for example, that can be used by the NIC to perform certain actions, such as to encapsulate egress packets and decapsulate packets.

IPC 8 full level

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CPC (source: CN EP)

G06F 9/45558 (2013.01 - CN EP); **G06F 9/5027** (2013.01 - CN EP); **H04L 63/0227** (2013.01 - EP); **H04L 69/166** (2013.01 - EP); **G06F 2009/45595** (2013.01 - CN EP); **G06F 2209/509** (2013.01 - CN EP)

Cited by

US10565002B2; US11099885B2; US11656900B2; US11941427B2

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