Title (en)

FILTERING AND POLICING FOR DEFENDING AGAINST DENIAL OF SERVICE ATTACKS A NETWORK

Title (de)

FILTERUNG UND ÜBERWACHUNG ZUR ABWEHR VON DIENSTVERWEIGERUNGSANGRIFFEN IN EINEM NETZWERK

Title (fr)

FILTRAGE ET RÉGULATION POUR LA PROTECTION CONTRE LES ATTAQUES ENTRAÎNANT UN REFUS DE SERVICE SUR UN RÉSEAU

Publication

EP 2090061 A2 20090819 (EN)

Application

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Abstract (en)

[origin: WO2008070549A2] Described are computer-based methods and apparatuses, including computer program products, for filtering and policing for defending against denial of service attacks on a network. A data packet is filtered by a multi-tiered filtering and transmission system. Data packets matching the first tier filter are discarded. Data packets matching the second tier filter are transmitted to an output module based on a criterion. Data packets in the third tier filter are hashed into bins and data packets matching an entry in the bin are transmitted to the output module based on a criterion for the bin. Data packets in the fourth tier transmission system are transmitted to the output module based on a criterion. Data packets that do not meet the criterion for transmission to the output module are transmitted to an attack identification module which analyzes the data packets to identify attacks.

IPC 8 full level

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