

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311053443 A

(19) INDIA

(22) Date of filing of Application :09/08/2023

(43) Publication Date : 01/09/2023

(54) Title of the invention : DECENTRALIZED FIREWALL SYSTEM FOR PROTECTION FROM CYBER-THREATS

(51) International classification :G06F0021550000, G06F0021620000, G06F0021560000, H04L0061451100, G06F0021520000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

The system in the present disclosure is designed to implement firewalls (104) for user devices (106) and a network (102), providing robust protection against cyber threats and unauthorized access. It consists of firewall nodes (104) deployed at both the network level (102) and individual user devices. The system aims to enforce access control policies, monitor network traffic, and prevent malicious activities. It offers centralized management and configuration, ensuring consistent security policies across the network. Deployed at strategic points within the network infrastructure (102), the firewalls (104) monitor and filter incoming and outgoing traffic based on predefined rules. They enforce access control policies, prevent unauthorized access attempts, and mitigate various types of attacks. The system allows users (108) to define access control policies that determine what types of network traffic are allowed or denied. These policies are based on factors such as source and destination IP addresses, port numbers, protocols, and user-specific rules. The system provides granular control over network access.

No. of Pages : 26 No. of Claims : 14