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(71)Name of Applicant :
1)Chitkara University
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

2)Bluest Mettle Solutions Private Limited
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)MISHRA, Rahul
 Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

2)SINGH, Dhiraj
 Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

3)MANTRI, Archana
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

The present disclosure relates generally to field of network security. More specifically the present invention relates to a sub-networks based security apparatus for protecting information and data from unauthorized access. The apparatus (100) includes a plurality of hardware components (102), a plurality of software components (112), a user interface (120) for configuring and managing the security measures implemented by the software components and a cloud server (122) to access real time set of data. The said software components (112) are installed on existing hardware components (102) to implement the security measures. Further the present invention relates to a sub-networks based security method for protecting information and data from unauthorized access. Advantageously, the present invention relates to a sub-networks based security apparatus and method for providing enhanced security measures for protecting sensitive information and data from unauthorized access.

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