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(54) Title of the invention : AN ANALYTICS INTERFACE FOR PROVIDING CYBER THREAT DETECTION AND SECURITY SYSTEM

(51) International classification :G06N0020000000, G06F0021550000, G06Q0010060000, G06N0020200000, G06K0009620000 (86) International Application No Filing Date :PCT// :01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number Filing Date :NA :NA (62) Divisional to Application Number Filing Date :NA :NA	(71)Name of Applicant : 1)Ms. M. Rekha Address of Applicant :Assistant Professor / Information Technology, R.M.K. Engineering College, Kavarpettai -601206 ----- 2)Dr. D. Prabakar 3)P Hema 4)Dr.Gandi Satyanarayana 5)Dr. Ashok Kumar Nanda 6)Pankaj Chandra 7)Dr. J K Periasamy Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Ms. M. Rekha Address of Applicant :Assistant Professor / Information Technology, R.M.K. Engineering College, Kavarpettai -601206 ----- 2)Dr. D. Prabakar Address of Applicant :Professor/Computer Science and Engineering, Karpagam College of Engineering, Coimbatore - 641 032. ----- 3)P Hema Address of Applicant :Assistant Professor, Malla Reddy Engineering College (Autonomous), Secinderabad-500100 ----- 4)Dr.Gandi Satyanarayana Address of Applicant :Professor and Head, Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology, Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.), Pin-531162 ----- 5)Dr. Ashok Kumar Nanda Address of Applicant :Associate Professor, Department of Computer Science and Engineering, B V Raju Institute of Technology, Narsapur, Medak Dt, Telangana, Pin:502313 ----- 6)Pankaj Chandra Address of Applicant :Assistant Professor, Department of Information Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh - 495009 ----- 7)Dr. J K Periasamy Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Sri Sai Ram Engineering College, Chennai 600044, Tamil Nadu, India -----
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(57) Abstract :

The proposed invention is an analytics interface for cyber threat detection and security management. It combines machine learning and artificial intelligence to identify patterns and anomalies within network data, enabling early threat detection and autonomous response. The system utilizes big data analytics to process and interpret large volumes of data in real-time. Advanced visualization techniques provide an accessible, user-friendly dashboard overview of the security status. The system includes a comprehensive risk management component for enhanced security measures and incident response capabilities for effective threat mitigation. This technology offers a proactive and comprehensive solution to cybersecurity in an era of sophisticated digital threats. Accompanied Drawing [FIGS. 1-2]

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