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(54) Title of the invention : A METHOD FOR IMPROVING DATA TRANSFER IN A WIRELESS NETWORK (71)Name of Applicant : 1)Andhra University Address of Applicant : Visakhapatnam, Andhra Pradesh, India. Pin Code: 530003 -----Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Prof. James Stephen Meka Address of Applicant :Dr. B. R. Ambedkar Chair Professor, Dean, :H04L0005000000, H04L0009400000, (51) International A.U. TDR-HUB, Andhra University, Visakhapatnam, Andhra G06Q0010060000, H04L0009080000, classification Pradesh, India. Pin Code: 530003 ------H04L0069040000 2)Mr.I.Ravi Kumar (86) International :NA Address of Applicant :Research Scholar, Department of CS & SE, Application No Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin :NA Filing Date Code: 530003 -----(87) International : NA 3)Prof.Augustine Tarala Publication No (61) Patent of Addition :NA Address of Applicant : Professor, Department of Mathematics, to Application Number :NA Wellfare Institute of Science, Technology & Management (WISTM), Pinagadi, Pendurthy, Visakhapatnam, Andhra Pradesh, Filing Date India. Pin Code: 531173 -----(62) Divisional to :NA 4)Mr.K. Joseph Noel Application Number Address of Applicant : Associate Professor, Department of :NA Filing Date Mechanical Engineering, Wellfare Institute of Science, Technology & Management (WISTM), Pinagadi, Pendurthy, Visakhapatnam, Andhra Pradesh, India. Pin Code: 531173 ------5)Mr.Karri Nagaraju Address of Applicant : Assistant Professor, Department of CSE, Guru Nanak Institute of Technology (GNIT), Ibrahimpatnam, Hyderabad, Telangana, India. Pin Code: 501506 ------

(57) Abstract :

The invention presents an advanced method for wireless data transfer, optimizing speed, reliability, and security. This method utilizes adaptive techniques to cater to diverse data types, preemptive measures for potential packet loss mitigation, intelligent bandwidth allocation, dynamic encryption for enhanced security, and real-time adjustments based on environmental feedback, ensuring optimal wireless communication across a range of devices and scenarios. Accompanied Drawing [FIGS. 1-2]

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