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(54) Title of the invention : HANDLING DATA MESSAGES IN A COMMUNICATION SYSTEM AND APPLICATION FOR RELIABLE WIRELESS BROADCAST

(51) International classification : H04L0001180000, H04W0072040000, H04L0001000000, H04L0047241600, H04N0021262000	(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, A.U. TDR-HUB, Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin Code: 530003 ----------- ----------- 　**2)Prof.Augustine Tarala** Address of Applicant :Professor, Department of Mathematics, Wellfare Institute of Science, Technology & Management (WISTM), Pinagadi, Pendurthy, Visakhapatnam, Andhra Pradesh, India. Pin Code: 531173 ----------- ----------- 　**3)Ms.Leela Pavani Velagala** Address of Applicant :Doctoral Student, University of North Texas, 1155 Union Circle, Denton, Texas, United States. ----------- ----------- 　**4)Mr.I.Ravi Kumar** Address of Applicant :Research Scholar, Department of CS & SE, Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin Code: 530003 ----------- ----------- 　**5)Mr.K. Joseph Noel** Address of Applicant :Associate Professor, Department of Mechanical Engineering, Wellfare Institute of Science, Technology & Management (WISTM), Pinagadi, Pendurthy, Visakhapatnam, Andhra Pradesh, India. Pin Code: 531173 ----------- ----------- 　**6)Mr.Sriram Gopalam** Address of Applicant :Assistant Professor, Department of Computer Science, Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin Code: 530003 ----------- -----------
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(57) Abstract :
A system and method for reliable wireless data broadcasting that dynamically adapts to changing network conditions. The invention integrates an adaptive broadcasting protocol, error correction mechanisms, smart channel selection, priority-based message handling, and a feedback system. These components work cohesively to optimize the transmission of data over wireless channels, ensuring efficient, timely, and dependable delivery while minimizing resource wastage. Accompanied Drawing [FIGS. 1-2]

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