

(54) Title of the invention : RELIABILITY CONTROL USING LOSS RECOVERY TECHNIQUES IN WIRELESS SENSOR NETWORK

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| <p>(51) International classification :H04W0084180000, H04W0088040000, H04W0024040000, H04W0040020000, H04W0084200000</p> <p>(86) International Application No :NA<br/>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to :NA<br/>Application Number :NA<br/>Filing Date :NA</p> <p>(62) Divisional to :NA<br/>Application Number :NA<br/>Filing Date :NA</p> | <p>(71)Name of Applicant :</p> <p><b>1)Dr. Mohitkumar Pravinchandra Bhadla</b><br/>Address of Applicant :HOD &amp; Associate Professor, Department of Information Technology, Alpha College Of Engineering &amp; Technology, Ahmedabad, Gujarat Technological University, Gujarat, India -----</p> <p><b>2)Mohammed Shafeeq Ahmed</b></p> <p><b>3)Dr. E. Anna Devi</b></p> <p><b>4)Dr. Sheshang Degadwala</b></p> <p><b>5)Dr. M. Pradeep Kumar</b></p> <p><b>6)Mr. Rajesh A</b><br/>Name of Applicant : NA<br/>Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)Dr. Mohitkumar Pravinchandra Bhadla</b><br/>Address of Applicant :HOD &amp; Associate Professor, Department of Information Technology, Alpha College Of Engineering &amp; Technology, Ahmedabad, Gujarat Technological University, Gujarat, India -----</p> <p><b>2)Mohammed Shafeeq Ahmed</b><br/>Address of Applicant :Research Scholar, Department of Computer Science, Bharathiar University, Coimbatore, India -----</p> <p><b>3)Dr. E. Anna Devi</b><br/>Address of Applicant :Associate Professor, Department of ECE, Sathyabama Institute of Science and Technology, OMR, Chennai-119 -----</p> <p><b>4)Dr. Sheshang Degadwala</b><br/>Address of Applicant :Associate Professor , Sigma Institute of Engineering, Engineering Block, Sigma Group of Institutes, Ajwa-Nimeta Road, Bakrol, Vadodara, Gujarat 390019, India -----</p> <p><b>5)Dr. M. Pradeep Kumar</b><br/>Address of Applicant :Assistant Professor, Department of Mechanical Engineering , Sona College of Technology, Salem, Tamil Nadu, India, 636005 -----</p> <p><b>6)Mr. Rajesh A</b><br/>Address of Applicant :105, Kamarajar Street, Kanchipuram - 631502 Tamilnadu -----</p> |
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## (57) Abstract :

A multihop wireless network which includes a plurality of wireless nodes each having a packet relay function and in which adjacent wireless node relay a packet to each other is known art. Through sequential relay of packets between wireless nodes each wireless node can transmit a packet to a wireless node that is out of radio arrival range of the node. The present invention relates to a reliability control using loss recovery techniques in wireless sensor network. As the cluster head is the intermediate node between sensor nodes and sink congestion may occur at cluster head and this leads to packet drop (Data Loss) also affects the reliability of the network. With the help of proposed loss recovery model we can increase the loss recovery ratio and enhance the reliability of wireless sensor network.

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