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## Patent Search

Invention Title	Data Security in Wireless network Security using the Modified Cryptography Algorithm
Publication Number	44/2021
Publication Date	29/10/2021
Publication Type	INA
Application Number	202141046168
Application Filing Date	11/10/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04W0084180000, H04L0009300000, H04L0009060000, H04L0029060000, C21D0009000000

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#### Abstract:

The wireless sensor network has become popular because it provides an economically practical answer to a multitude of real-world challenges. Data energy use are not currently addressed in the present systems. In an ongoing project, the designers are using a novel hashing technique to create a algorithm with the aim of increasing wireless network security. This technique incorporates various encryption standards, including AES, DES, and RS the network. The algorithm is carried out in three steps, each of which is occurring at the same time. In the first one-third of the message, AES is applied next third of the message in part 2. In the final segment of this series, updated RSA is applied to the last one-third of the message.

#### Complete Specification

- Claims:1. In this research work, two algorithms have been designed which enhances the security of data.
2. Modified Cryptography has been proposed that is the combination of three existing algorithms and runs in parallel.
  3. A Hashing Technique has been proposed to enhance the integrity of data over the network.
  4. It has been analysed that proposed hashing technique is better among all in terms of execution time and security level.
- , Description: Technical field of invention:

The security mechanisms developed for WSN are classified into two broad categories:

- i) Low level security mechanism
  - Key establishment

The keys are established among all the sensor nodes to exchange data securely. They do not allow unauthorized nodes to establish communication. They support node extent from hundreds or thousands of sensor nodes.

- Privacy and authentication protocols

Cryptographic techniques provide privacy to the data and allow authorized users to access the data.

- Secure routing

The current routing protocols used in wireless networks are susceptible to spoofing attack, replay, routing information and selective forwarding. So

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Page last updated on: 26/06/2019



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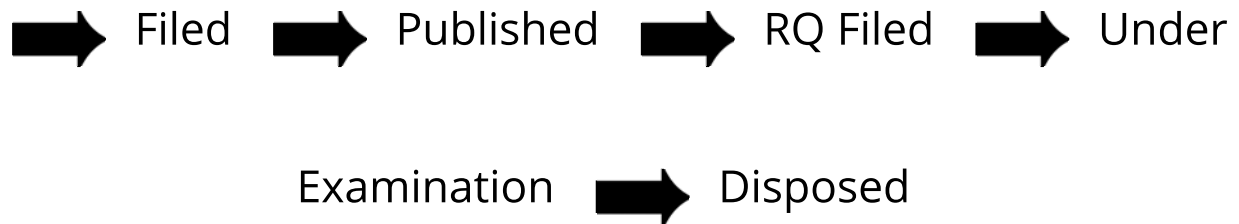
Application Details	
APPLICATION NUMBER	202141046168
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/10/2021
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TITLE OF INVENTION	Data Security in Wireless network Security using the Modified Cryptography Algorithm
FIELD OF INVENTION	COMMUNICATION
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/10/2021

## Application Status

APPLICATION STATUS

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Examination**

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