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[Skip to Main Content](#)



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Patent Search

Invention Title	SECURE AND RELIABLE MOBILE RFID BASED IOT TECHNOLOGY FOR HOME IN SMART CITIES	
Publication Number	33/2023	
Publication Date	18/08/2023	
Publication Type	INA	
Application Number	202341038280	
Application Filing Date	03/06/2023	
Priority Number		
Priority Country		
Priority Date		
Field Of Invention	COMMUNICATION	
Classification (IPC)	G06K 071000, H04L 122800, H04W 120600, H04W 481600, H04W 600000	
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Abstract:

The proliferation of RFID technology in mobile IOT devices has enabled a much smarter way of living in smart cities. RFID based IOT solutions can be used to monitor various aspects of a home from home security, energy management, safety and overall convenience. The mobile RFID technology offers secure and reliable communication home automation system, allowing for complete control from remotely located systems. This technology also ensures that the data is transferred between two secure so that malicious actors cannot get access to sensitive data. The IOT systems also provide access to various sensors and can provide data which can then be used to informed decisions. This data can be used to optimize energy usage in the home or to alert for unusual activity. The technology also allows for automation of various home and can even be used for various forms of home entertainment. The use of mobile RFID technology in IOT systems has enhanced the way people live in smart enhancing security, providing convenience and creating a smarter home. This technology is also important for businesses as well, allowing them to monitor and track products and services more efficiently.

Complete Specification**Description:Background problem for the Innovation**

Secure and reliable mobile RFID-based IOT technology for home in smart cities is the key technology driving the vision of smart homes. This technology is based on Frequency Identification (RFID), which is a ubiquitous form of communication that has been integrated into the daily human lives. This technology works by assigning object with a small chip known as RFID tag. It contains data about the object in the form of a digital signal. When an RFID device reads the signal from the RFID tag, data can be accessed from the server at a remote place and transmitted back to the local RFID device. The advantage of RFID-based technology over other technology such as Bluetooth or Wi-Fi is the capacity to provide secure and reliable connection even if the home is obstructed by physical objects such as walls. RFID-based IOT technology is an effective way to integrate various home devices that automate the home with a single interface. This technology enables the home to operate in a smoother, efficient manner, while ensuring that the various home devices are secure and reliable. Additionally, the data collected from these RFID-based IOT system be used for analytical purposes for a more informed view of the home. This can help the homeowner or a remote user to make better decisions in terms of energy consumption or even security. RFID-based IOT technology in smart homes has the potential to improve and simplify the life of the homeowner as well as their guests can help mitigate some of the stress and difficulties of managing home safety and comfort. Additionally, due to its secure and reliable communication, it can also help homeowners to take the proper countermeasures in case of any physical or technical threats. The RFID-based IOT technology for home in smart cities is a great solution ensure that the home functions more securely and efficiently. It can provide an enhanced level of control and insight and can make the home environment safer, secure and efficient. In addition, it is an important tool for optimizing the home's energy consumptions and provides better analytics for improved decision making.

Innovation model

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Page last updated on: 26/06/2019