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(57) Abstract :

Embodiments of the present disclosure relates to a system (100) and method (300) for securely provisioning wireless sensors for ensuring that the wireless sensors can be securely and reliably connected to a network to allow the secure transmission of sensitive data. In an aspect, the system comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to generate a unique identifier for each of the one or more wireless sensors. Further, the processor (202) is configured to encrypt the unique identifier for each of the one or more wireless sensors. Next, the processor (202) is configured to transmit the encrypted unique identifier to a provisioning server. In the end, the processor (202) is configured to verify the transmitted unique identifier on the provisioning server.

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