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(54) Title: METHODS, APPLICATION SERVER, IOT DEVICE AND MEDIA FOR IMPLEMENTING IOT SERVICES

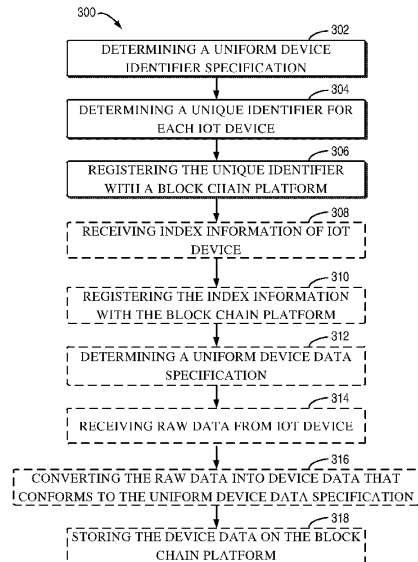


FIG. 3

(57) Abstract: The embodiments of the present disclosure provide methods, an application server, a user device and storage media for implementing trust IoT services based on a block chain. The application server includes a memory and a processor, the memory being stored with machine executable instructions that, when executed by the processor, cause the application server to perform operations including: determining a uniform device identifier specification for a plurality of IoT devices, wherein the plurality of IoT devices are provided by at least one provider; determining a unique identifier for each IoT device of the plurality of IoT devices, the unique identifier conforming to the uniform device identifier specification and the unique identifier being a public key in a pair of public key and private key of the IoT device; and registering the unique identifier of the IoT device with a block chain platform. With the solution of present disclosure, each IoT device may be uniformly and uniquely identified in a system including a plurality of IoT device providers.

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