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(54) **Title:** METHOD AND SYSTEM FOR SECURE INTEROPERABILITY BETWEEN MEDICAL DEVICES

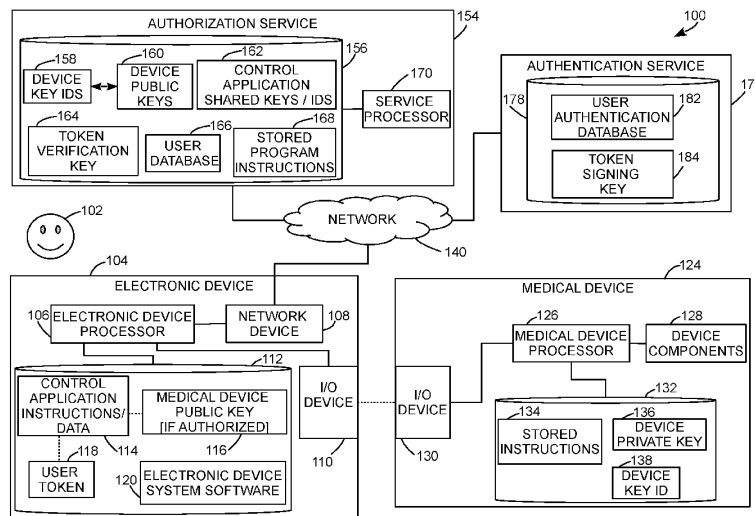


FIG. 1

(57) **Abstract:** A method for secure interoperability between an electronic device and a medical device has been developed. The method includes executing a control application configured to provide communication between the electronic device and medical device, receiving user authentication data from an authentication service, receiving a key identifier from the medical device via an untrusted connection, and transmitting a message with an identifier of the user, the user authentication data, the key identifier, an identifier of the control application, and a cryptographic signature to an authorization service. The method further includes receiving a medical device cryptographic key from the authorization service only in response to successful verification of the message to enable at least one of control communication and data communication between the control application and the medical device.

[Continued on next page]

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