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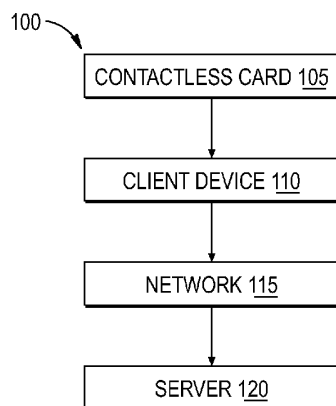


FIG. 1A

(57) Abstract: Example embodiments of systems and methods for data transmission between transmitting and receiving devices are provided. In an embodiment, a method includes: generating a diversified key; generating a cryptographic result including a counter value; encrypting the transmission data to yield encrypted transmission data; transmitting the cryptographic result and encrypted transmission data to an application; generating an authentication diversified key; generating a session key; decrypting the encrypted transmission data and validating the received cryptographic result; and initiating, upon authentication of at least one user credential, one or more processes, the one or more processes comprising authenticating one or more electronically generated images associated with transportation ticketing information.

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