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(54) Title: TECHNIQUES FOR SECURELY PERFORMING OFFLINE AUTHENTICATION

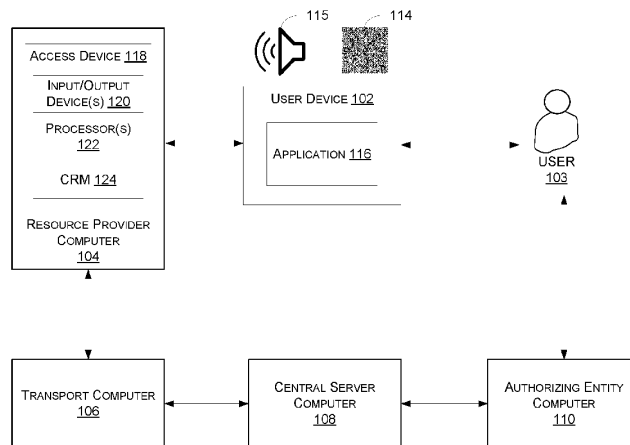


FIG. 1

(57) Abstract: Systems and methods are disclosed for securely communicating sensitive data (e.g., interaction data) during a process for offline authentication. A data packet may be received by an access device from a user device in a one-way communication. The data packet may be converted to obtain interaction data comprising a digital certificate certified by the certificate authority and a digital signature value generated by the user device. A second public key associated with the user device may be obtained utilizing the digital certificate and the first public key associated with the certificate authority. The validity of the interaction data may be determined based at least in part on the digital signature value and the second public key associated with the user device. When the interaction data is determined to be valid, an identifier of the interaction data may be authorized and access may be provided based on this authorization.

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