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(54) Title: USING ON-DEMAND APPLICATIONS TO GENERATE VIRTUAL NUMBERS FOR A CONTACTLESS CARD TO SECURELY AUTOFILL FORMS

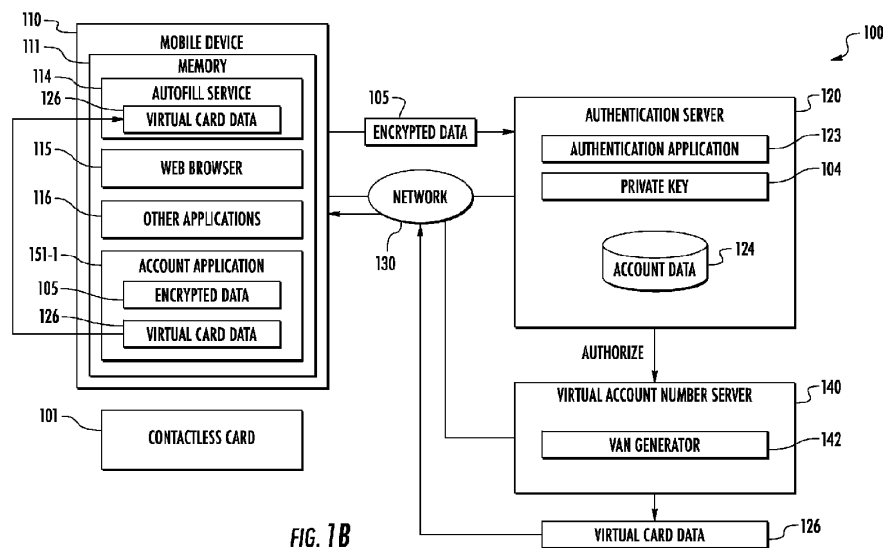


FIG. 1B

(57) Abstract: A first application may output a form comprising payment fields. An operating system (OS) may receive, from a contactless card, a uniform resource locator (URL) comprising encrypted data. A second application received from the URL by the OS may be executed. The second application may transmit the encrypted data to an authentication server, the authentication server to verify the encrypted data. The second application may receive, from a virtual account number server, a virtual account number, an expiration date associated with the virtual account number, and a CVV associated with the virtual account number. The second application may provide the virtual account number, expiration date, and CVV to an autofill service of the OS. The autofill service of the OS may autofill the virtual account number the payment fields of the first application.

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