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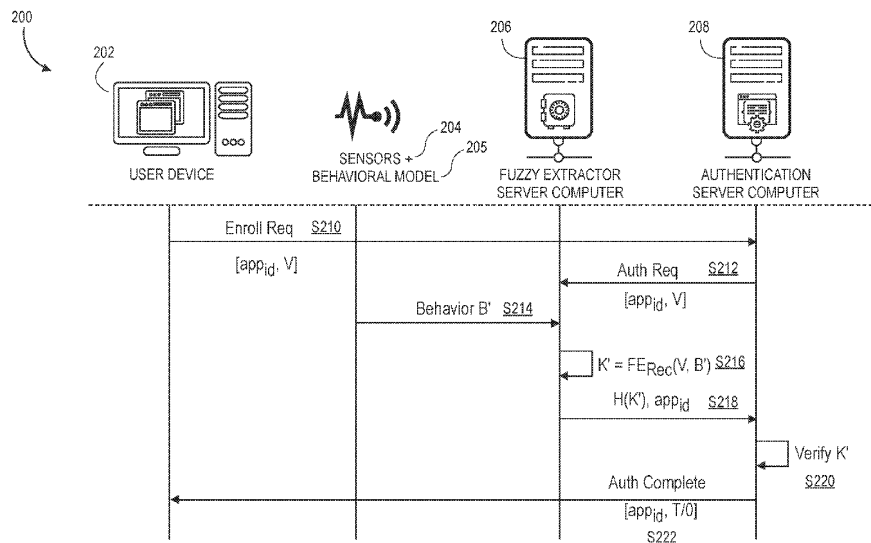


FIG. 2

(57) Abstract: An application or device is authenticated using secure application data validation. A server computer receives an authentication request comprising an application identifier or a user device identifier associated with a user device, the authentication request originating from the user device. The server computer receives a set of behavioral data associated with the application or the user device. Responsive to receiving the application identifier or device identifier, the server computer obtains a fuzzy vault associated with the application identifier or the user device identifier. The server computer determines a reconstructed key value using the fuzzy vault and the set of behavioral data. The application or the user device is authenticated using the reconstructed key value.

[Continued on next page]

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