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(54) **Title: SYSTEM AND METHOD FOR IMPLEMENTING A BLOCKCHAIN-BASED DECENTRALIZED APPLICATION**

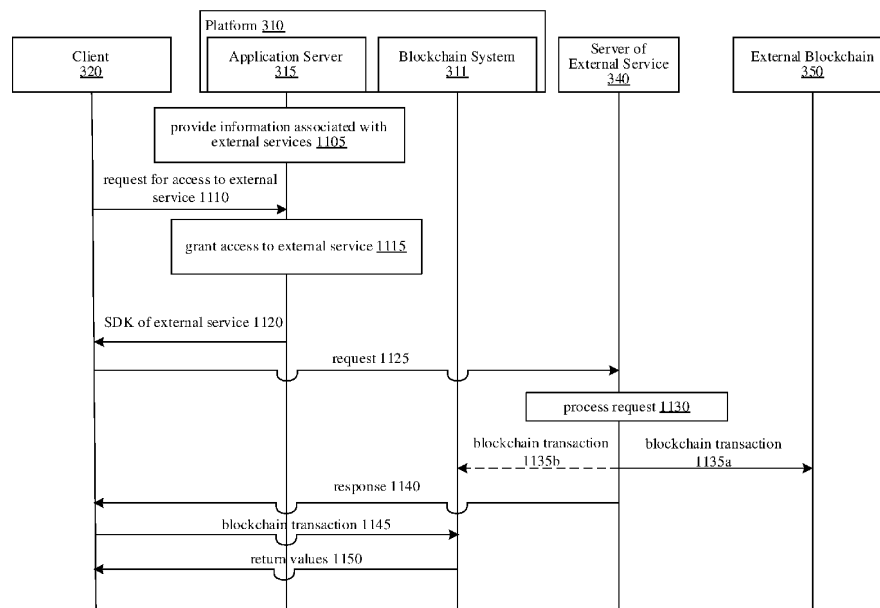


FIG. 11

(57) **Abstract:** Methods, systems, and apparatus, including computer programs encoded on computer storage media, for implementing a blockchain-based decentralized application, are provided. One of the methods includes: generating a request to an external service based on a software development kit (SDK) associated with the external service, wherein the SDK is integrated with a client-side application on the client device; sending the request to a server associated with the external service; obtaining, from the server associated with the external service, a result responsive to the request; generating a blockchain transaction based on the result from the external service, wherein the blockchain transaction invokes a blockchain contract deployed on a blockchain; sending the blockchain transaction to one or more blockchain nodes for adding to the blockchain; and obtaining, from one or more data stores synchronized with the blockchain, one or more return values associated with adding the blockchain transaction to the blockchain.

[Continued on next page]

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