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(54) Title: APPLICATION PROGRAMMING INTERFACE (API) AUTOMATION FRAMEWORK

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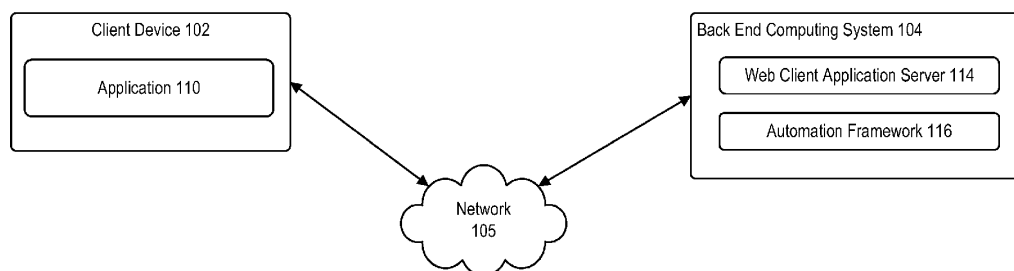


FIG. 1

(57) Abstract: An automation framework system may include a service portal, an API gateway, an entitlements microservice, and a resources microservice. The service portal is configured to provide access to automation functionality of the automation framework system. The service portal is configured to provide entitlement models for generating a programming interface API or automation. The API gateway is configured to intercept API requests from a client device. The API gateway is configured to grant or reject the API requests based on each requested API and information about a user the client device. The entitlements microservice is configured to determine whether the user of the client device is permitted to access the API based on group information associated with the client device. The resources microservice is configured to manage resources associated with each API request.

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