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**Larson et al.**

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(54) **AGILE NETWORK PROTOCOL FOR SECURE COMMUNICATIONS USING SECURE DOMAIN NAMES**

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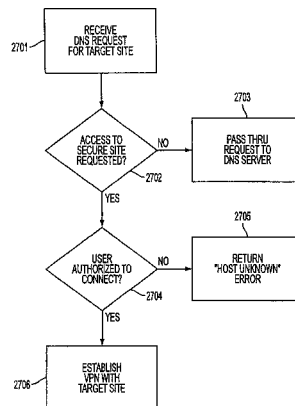
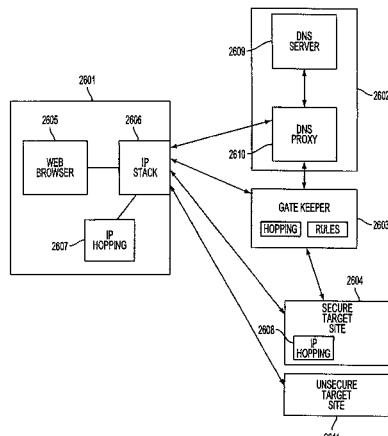
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(57) **ABSTRACT**

A method is used to transparently create an encrypted communications channel between a client device and a target device. Each device is configured to allow audio/video communications between the client and target devices over the encrypted communications channel once the encrypted communications channel is created. The method comprises receiving from the client device a request for a network address associated with the target device, determining whether the request is requesting access to a device that accepts an encrypted channel connection with the client device, and in response to determining that the request is requesting access to a device that accepts an encrypted communications channel connection with the client device, providing provisioning information required to initiate the creation of the encrypted communications channel between the client device and the target device such that the encrypted communications channel supports secure audio/video communications transmitted between the two devices.

**34 Claims, 40 Drawing Sheets**



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