Presentation of Petitioner Apple Inc.

IPR2016-01585

U.S. Patent No. 8,904,516

Ground

Claims 1-9, 11-23, and 25-28 of the '516 patent
are obvious over <u>Beser</u> and <u>RFC 2401</u>

Roadmap

1. Relevant Prior Decisions

2. Beser's "*Request to Look Up an [IP] Address*"

3. Combination of Beser and RFC 2401

4. Audio/Video + End-to-End Dependent Claims

5. Messaging Dependent Claims

6. Prior Art Status / Motion to Exclude

United States Patent
Larson et al.

(10) Patent No.: US 8,...
(45) Date of Patent:

SYSTEM AND METHOD EMPLOYING AN AGILE NETWORK PROTOCOL FOR SECURE COMMUNICATIONS USING SECURE DOMAIN NAMES

Applicant: VirnetX, Inc., Zephyr Cove, NV (US)

Inventors: Victor Larson, Fairfax, VA (US); Robert Dunham Short, III, Lexington, VA (US); Edmund Colby Munger, Tarpon Springs, FL (US); Michael Williamson, South Riding, VA (US)

Assignee: VirnetX, Inc., Zephyr Cove, NV (US)

Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days. This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

Continuation of application No. 13/903,788, filed on May 28, 2013, which is a continuation of application
(Continued)

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H04L 29/12 (2006.01)
H04L 29/06 (2006.01)
H04L 12/707 (2013.01)
G06F 21/60 (2013.01)
H04L 12/46 (2006.01)
H04L 12/703 (2013.01)
H04L 29/08 (2006.01)
H04L 12/701 (2013.01)
H04L 12/24 (2006.01)

U.S. Cl.
CPC H04L 67/14 (2013.01); H04L 29/12594 (2013.01); H04L 61/303 (2013.01); H04L 63/1466 (2013.01); H04L 45/24 (2013.01);
(Continued)

(58) Field of Classification Search
CPC .. H04L 63/0272; H04L 12/...
USPC .... 726/11, 12, 15, ...
See application file for complete se...

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Primary Examiner — Aravind Moorthy
Assistant Examiner — Peiliang Pan
(74) Attorney, Agent, or Firm — McDerm...

(57) ABSTRACT
A system for connecting a first network d... network device includes one or more serv... configured to: (a) receive, from the first... request to look up a network address of t... device based on an identifier associated w... work device; (b) determine, in respon... whether the second network device is av... communications service; and (c) initiate a... work communication link between the fi... and the second network device based on a... the second network device is available for... nications service, wherein the secure co... vice uses the virtual private network co...

28 Claims, 40 Drawing Sh...

1. A system for connecting a first network device and a second network device, the system including one or more servers configured to:

intercept, from the first network device, a request to look up an internet protocol (IP) address of the second network device based on an identifier associated with the second network device;

determine, in response to the request, whether the second network device is available for a secure communications service; and

initiate an encrypted communication link between the first network device and the second network device based on a determination that the second network device is available for the secure communications service, wherein

the secure communications service communicates using the encrypted communication link,

the first network device is a device at which a user uses the secure communications service to access the encrypted communication link, and;

the one or more servers includes one or more processors.

'516 Patent (Ex. 1001) at Claim 1

Roadmap

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