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Highlights

DEVICE-SPECIFIC AUTHENTICATION CREDENTIALS

DOCUMENT ID
US 20210004453 A1

DATE PUBLISHED
2021-01-07

INVENTOR INFORMATION

NAME	CITY	STATE	ZIP CODE	COUNTRY
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APPLICANT INFORMATION

NAME	CITY	STATE	ZIP CODE	COUNTRY	AUTHORITY	TYPE
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US CLASS CURRENT:
1/1

CPC CURRENT

TYPE	CPC	DATE
CPCI	G 06 F 21/44	2013-01-01

Abstract

Methods and systems for providing device-specific authentication are described. One example method includes generating device-specific credentials, associating the device-specific credentials with a device, authenticating the device based on the device-specific credentials, and after authenticating the device, authenticating a user of the device based on user-specific credentials associated with the user and different than the device-specific credentials.

Background/Summary

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation application of and claims priority to U.S. application Ser. No. 13/857,714, filed on Apr. 5, 2013.

BACKGROUND

[0002] This specification generally relates to providing device-specific authentication, and secure user authentication.

[0003] In corporate and other networks, users may be required to authenticate to a proxy server prior to accessing the Internet. One widely used authentication scheme is HyperText Transfer Protocol (HTTP) Basic Authentication (Basic Auth). In Basic Auth, a client sends its username and password in unencrypted plaintext to a server, such as, for example, a proxy server. The server authenticates the client and subsequently allows the client access to other resources, such as the Internet. In such a configuration, an attacker can monitor network packets to obtain the username and password of the client, and possibly compromise the security of the network.

SUMMARY