

Title (en)

SINGLE-DEVICE MULTI-FACTOR AUTHENTICATION SYSTEM

Title (de)

SYSTEM ZUR MULTIFAKTORAUTHENTIZIERUNG EINZELNER VORRICHTUNGEN

Title (fr)

SYSTÈME D'AUTHENTIFICATION À MULTIPLES FACTEURS À DISPOSITIF UNIQUE

Publication

EP 3777092 A1 20210217 (EN)

Application

EP 19786028 A 20190327

Priority

- US 201815952533 A 20180413
- US 2019024306 W 20190327

Abstract (en)

[origin: WO2019199460A1] A multi-factor authentication system supports a variety of password entry mechanisms (e.g., alphanumeric, visual, voice, etc.) that can be used to authenticate a user to access multiple application/website destinations. Example methods and systems include a real-time password generator that creates unique and complex passwords independent of Internet connectivity for multiple different service providers (e.g., third party applications, cloud services, websites, etc. that include user authentication) without storing the passwords in local or network memory (e.g., a password vault). In response to receiving a login request, a user device prompts the user to provide an access code, and generates a destination key based on a securely stored identifier code. The destination key can be re-generated using the stored identifier code and the access code. The same stored identifier code and the received access code can be used to regenerate different destination keys for different applications or services.

IPC 8 full level

H04L 29/06 (2006.01)

CPC (source: EP KR)

G06F 21/36 (2013.01 - EP); **G06F 21/6254** (2013.01 - EP); **H04L 9/0866** (2013.01 - EP); **H04L 9/0877** (2013.01 - EP); **H04L 9/14** (2013.01 - EP); **H04L 9/3239** (2013.01 - EP); **H04L 63/06** (2013.01 - KR); **H04L 63/083** (2013.01 - EP KR); **H04L 63/0861** (2013.01 - KR); **G06F 2221/2141** (2013.01 - EP); **H04L 2463/082** (2013.01 - KR)

Citation (search report)

See references of WO 2019199460A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019199460 A1 20191017; CN 112689980 A 20210420; EA 202092438 A1 20210127; EP 3777092 A1 20210217; JP 2021521531 A 20210826; KR 20200132999 A 20201125

DOCDB simple family (application)

US 2019024306 W 20190327; CN 201980039612 A 20190327; EA 202092438 A 20190327; EP 19786028 A 20190327; JP 2020555918 A 20190327; KR 20207032492 A 20190327