

US009361481B2

(12) United States Patent

LaFever et al.

(54) SYSTEMS AND METHODS FOR CONTEXTUALIZED DATA PROTECTION

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- (*) 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.

- (21) Appl. No.: 14/846,167
- (22) Filed: Sep. 4, 2015

(65) **Prior Publication Data**

US 2015/0379303 A1 Dec. 31, 2015

Related U.S. Application Data

(63) Continuation-in-part of application No. 14/530,304, filed on Oct. 31, 2014, now Pat. No. 9,129,133, which is a continuation-in-part of application No. 14/529,960, filed on Oct. 31, 2014, now Pat. No.

(Continued)

(51) Int. Cl.

G06F 21/62	(2013.01)
H04L 29/06	(2006.01)

(10) Patent No.: US 9,361,481 B2

(45) **Date of Patent:** *Jun. 7, 2016

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(57) **ABSTRACT**

Various systems, computer-readable media, and computerimplemented methods of providing improved data privacy, anonymity, and security by enabling subjects to which data pertains to remain "dynamically anonymous," i.e., anonymous for as long as is desired-and to the extent that is desired-are disclosed herein. This concept is also referred to herein as Just-In-Time-Identity, or "JITI." Embodiments include systems that create, access, use, store and/or erase data with increased privacy, anonymity and securitythereby facilitating the availability of more qualified information-via the use of temporally unique, dynamically changing de-identifiers ("DDIDs"). In some embodiments, specialized JITI keys may be used to "unlock" different views of the same DDID (or its underlying value), thereby providing granular control over the level of detail or obfuscation visible to each user based on the context of said user's authorized use of data, e.g., authorized purpose(s), place(s), time(s), or other attributes of the use.

20 Claims, 50 Drawing Sheets

