US008762335B2

(12) **United States Patent**
Prahlad et al.

(10) **Patent No.: US 8,762,335 B2**
(45) **Date of Patent: Jun. 24, 2014**

(54) **SYSTEM AND METHOD FOR STORAGE OPERATION ACCESS SECURITY**

(71) Applicant: **CommVault Systems, Inc.**, Oceanport, NJ (US)

(72) Inventors: **Anand Prahlad**, Bangalore (IN); **Srinivas Kavuri**, Bangalore (IN)

(73) Assignee: **CommVault Systems, Inc.**, Oceanport, NJ (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.

(21) Appl. No.: **13/899,384**

(22) Filed: **May 21, 2013**

(65) **Prior Publication Data**

US 2013/0254236 A1 Sep. 26, 2013

Related U.S. Application Data

(63) Continuation of application No. 13/250,997, filed on Sep. 30, 2011, now Pat. No. 8,447,728, which is a continuation of application No. 12/058,511, filed on Mar. 28, 2008, now Pat. No. 8,108,427, which is a continuation of application No. 11/694,784, filed on Mar. 30, 2007.

(60) Provisional application No. 60/852,584, filed on Oct. 17, 2006.

(51) **Int. Cl.**
G06F 7/00 (2006.01)

(52) **U.S. Cl.**
USPC **707/627**; 707/785; 726/27

(58) **Field of Classification Search**
USPC 707/627, 785; 726/27
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,296,465	A	10/1981	Lemak
4,686,620	A	8/1987	Ng
4,995,035	A	2/1991	Cole et al.
5,005,122	A	4/1991	Griffin et al.
5,093,912	A	3/1992	Dong et al.
5,133,065	A	7/1992	Cheffetz et al.
5,193,154	A	3/1993	Kitajima et al.
5,212,772	A	5/1993	Masters
5,226,157	A	7/1993	Nakano et al.

(Continued)

FOREIGN PATENT DOCUMENTS

EP	02599612	A1	3/1988
EP	0405926	A2	1/1991

(Continued)

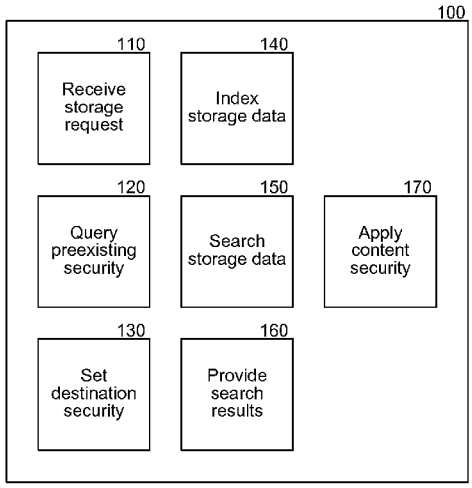
OTHER PUBLICATIONS

U.S. Appl. No. 13/868,320, filed Apr. 23, 2013, Ignatius et al.

(Continued)

Primary Examiner — Cheryl Lewis
(74) *Attorney, Agent, or Firm* — Perkins Coie LLP

(57) **ABSTRACT**

A method and system for controlling access to stored data is provided. The storage access control system leverages a pre-existing security infrastructure of a system to inform the proper access control that should be applied to data stored outside of its original location, such as a data backup. The storage access control system may place similar access control restrictions on the backup files that existed on the original files. In this way, the backed up data is given similar protection as that of the original data.

18 Claims, 5 Drawing Sheets