Title (en)
ARCHIVAL DATA STORAGE SYSTEM

Title (de)
DATENSPEICHERSYSTEM FÜR ARCHIVIERUNG

Title (fr)
SYSTÈME DE STOCKAGE DE DONNÉES D'ARCHIVAGE

Publication
EP 2883170 A4 20150729 (EN)

Application
EP 13828257 A 20130806

Priority
- US 201213569591 A 20120808
- US 201213570088 A 20120808
- US 201213570151 A 20120808
- US 2013053852 W 20130806

Abstract (en)
[origin: WO2014025820A2] A cost-effective, durable and scalable archival data storage system is provided herein that allow customers to store, retrieve and delete archival data objects, among other operations. For data storage, in an embodiment, the system stores data in a transient data store and provides a data object identifier may be used by subsequent requests. For data retrieval, in an embodiment, the system creates a job corresponding to the data retrieval and provides a job identifier associated with the created job. Once the job is executed, data retrieved is provided in a transient data store to enable customer download. In various embodiments, jobs associated with storage, retrieval and deletion are scheduled and executed using various optimization techniques such as load balancing, batch processed and partitioning. Data is redundantly encoded and stored in self-describing storage entities increasing reliability while reducing storage costs. Data integrity is ensured by integrity checks along data paths.

IPC 8 full level
G06F 17/30 (2006.01); **G06Q 10/00** (2012.01)

CPC (source: CN EP KR)
G06F 3/0644 (2013.01 - KR); **G06F 16/10** (2018.12 - KR); **G06F 16/113** (2018.12 - KR); **G06F 16/14** (2018.12 - KR); **G06F 16/1744** (2018.12 - KR); **G06F 16/185** (2018.12 - KR); **G06F 16/215** (2018.12 - EP); **G06F 16/2453** (2018.12 - KR); **G06F 16/90335** (2018.12 - CN EP)

Citation (search report)
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- See references of WO 2014025820A2

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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 2014025820 A2 20140213; **WO 2014025820 A3 20140501**; AU 2013299731 A1 20150226; AU 2016201923 A1 20160421; AU 2018204309 A1 20180705; AU 2018204309 B2 20201029; BR 112015002837 A2 20170808; CA 2881567 A1 20140213; CA 2881567 C 20231017; CN 104603776 A 20150506; CN 104603776 B 20200512; EP 2883170 A2 20150617; EP 2883170 A4 20150729; EP 3805941 A1 20210414; EP 3805941 B1 20240417; JP 2015534142 A 20151126; JP 2017182825 A 20171005; JP 6165862 B2 20170719; JP 6463796 B2 20190206; KR 101766214 B1 20170809; KR 101825905 B1 20180322; KR 101954594 B1 20190306; KR 20150041056 A 20150415; KR 20160058198 A 20160524; KR 20170092712 A 20170811; SG 10201600997Y A 20160330; SG 11201500836Q A 20150330

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US 2013053852 W 20130806; AU 2013299731 A 20130806; AU 2016201923 A 20160329; AU 2018204309 A 20180615; BR 112015002837 A 20130806; CA 2881567 A 20130806; CN 201380042170 A 20130806; EP 13828257 A 20130806; EP 20197244 A 20130806; JP 2015526651 A 20130806; JP 2017094235 A 20170510; KR 20157005788 A 20130806; KR 20167012877 A 20130806; KR 20177021593 A 20130806; SG 10201600997Y A 20130806; SG 11201500836Q A 20130806