

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2011/137916 A1 (DEEN ROBERT GLENN [US] ET AL) 9 June 2011 (2011-06-09) * abstract; figures 2-4 * * paragraphs [0004] - [0007], [0014] - [0032], [0040] - [0067] * -----	1-8	INV. G06F17/30 G06F11/14 G06F3/06
A	US 8 504 535 B1 (HE GANG [US] ET AL) 6 August 2013 (2013-08-06) * abstract; claim 2; figures 1-8 * * column 2, line 7 - column 9, line 34 * -----	1-8	
A	US 2008/065704 A1 (MACCORMICK JOHN PHILIP [US] ET AL) 13 March 2008 (2008-03-13) * abstract; figures 1-2,9,11 * * paragraphs [0003] - [0005], [0020] - [0025], [0044] - [0048] * -----	1-8	
A	US 5 548 724 A (AKIZAWA MITSURU [JP] ET AL) 20 August 1996 (1996-08-20) * abstract; figures 10-11 * * column 8, line 9 - line 59 * -----	1-8	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC)
			G06F
Place of search		Date of completion of the search	Examiner
Munich		18 July 2017	Wienold, Norbert
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

1-8

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-8

A method, comprising:
storing, by a storage service implemented on one or more devices, sets of data elements generated from data objects to selected subsets of a plurality of volumelets implemented on a plurality of storage nodes in a cohort;
generating, at each of two of the volumelets, a common object list for the other volumelet, wherein the common object list on one of the volumelets indicates data objects on the volumelet that should also be stored on the other volumelet; generating, at each of the two volumelets, a hash value for the common object list at the volumelet;
determining that the hash values generated on the two volumelets do not match; and in response to said determining, identifying one or more data objects that should be but are not stored on both of the volumelets.

2. claims: 9-15

A method, comprising:
receiving, by a storage service implemented on one or more computing devices, data objects to be stored to an object-redundant storage system, wherein the object-redundant storage system comprises a cohort spanning N storage nodes;
for each received data object:
generating M object-redundant data elements from the data object according to an object-redundant technique, where M is less than N;
selecting M storage nodes from among the N storage nodes in the cohort;
storing the M data elements to the selected M storage nodes, wherein one of the M data elements is stored on each of the M storage nodes; and
storing metadata indicating one or more locations in the cohort at which one or more of the M data elements are stored.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 87 2917

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-07-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2011137916	A1	09-06-2011	NONE	

US 8504535	B1	06-08-2013	NONE	

US 2008065704	A1	13-03-2008	NONE	

US 5548724	A	20-08-1996	NONE	
