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[Continued on next page]

(54) Title: VIRTUAL MACHINE BACKUP FROM STORAGE SNAPSHOT

(57) Abstract: Disclosed herein are system, method, and computer program product embodiments for virtual machine (VM) backup from a storage snapshot. An embodiment operates by receiving selective backup parameters including a VM to backup and then creating a VM snapshot associated with the VM. Next, an offset table associated with a virtual disk of the VM stored on a storage is retrieved. The embodiment further includes generating a storage snapshot and deleting the VM snapshot and then promoting the storage snapshot to a new logical unit number. The promoted storage snapshot is then mounted to the backups server. The virtual disk data is backed up to a backup storage using the offset table from the storage snapshot. The storage snapshot is dismounted from the backup server and deleted from the storage.

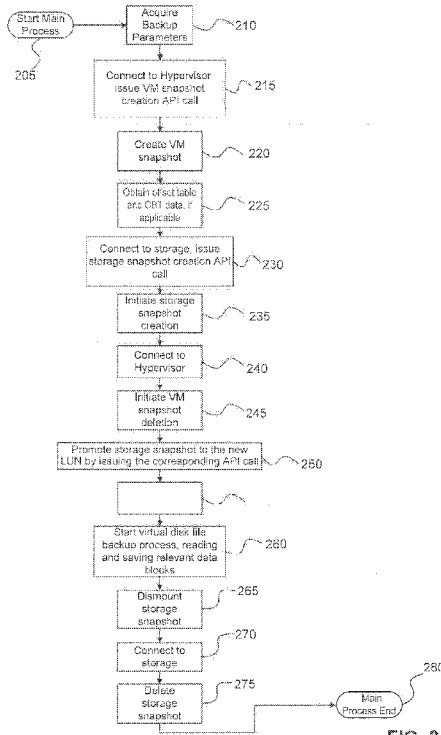


FIG. 2

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F11/14
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 8 060 476 B1 (AFONSO DELANO XAVIER [US] ET AL) 15 November 2011 (2011-11-15) abstract column 1, line 57 - column 2, line 65 column 5, line 1 - column 8, line 25 column 11, line 22 - line 59 column 13, line 29 - line 51 claims 1-12 figures 1-3,5a	1-21
X	US 2011/307657 A1 (TIMASHEV RATMIR [CH] ET AL) 15 December 2011 (2011-12-15) paragraphs [0002], [0004], [0005], [0015], [0020], [0032] - [0037], [0040] - [0063] figures 1-3	1-21

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 14 January 2015	Date of mailing of the international search report 22/01/2015
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Johansson, Ulf
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2014/001645

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
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			US 8375003 B1	12-02-2013

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			WO 2011159701 A2	22-12-2011
