NY 74773656

Farstone Technology, Inc. ("Farstone") hereby asserts claims against Apple Inc. ("Apple") for infringing U.S. Patent No. 7,120,835 ("the '835 patent") and alleges as follows:

THE PARTIES

- 1. Farstone is a corporation organized and existing under the laws of California, having a place of business at 184 Technology Drive, Suite 205, Irvine, California 92620.
- 2. On information and belief, Apple is a California corporation, having its principal place of business at 1 Infinite Loop, Cupertino, California 95014.

JURISDICTION AND VENUE

- 3. The claims asserted in this Complaint arise under the Patent Laws of the United States, 35 U.S.C. §§ 1-376.
- 4. Subject matter jurisdiction is proper pursuant to 28 U.S.C. §§ 1331 and 1338.
- 5. This Court has personal jurisdiction over Apple because Apple has committed and continues to commit, has contributed to and continues to contribute to, and has induced and continues to induce, acts of patent infringement in this District.
- 6. Venue is proper in this judicial district pursuant to 28 U.S.C. §§ 1391 and 1400.

THE PATENT-IN-SUIT

7. The '835 patent, entitled "Computer Equipment Having a Prompt Access Function and Related Method," was lawfully issued by the United States Patent and Trademark Office ("PTO") on October 10, 2006. The '835 patent issued from U.S. Patent Application Serial No. 10/241,626, filed September 11, 2002. A copy of the '835 patent is attached as Exhibit A.

2029 Century Park East

Los Angeles, California 90067-3086

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The '835 patent was assigned to Farstone, and Farstone is the rightful 8. owner of the '835 patent and holds the entire right, title and interest in the '835 patent.

COUNT I – INFRINGEMENT OF THE '835 PATENT

- Farstone hereby incorporates by reference Paragraphs 1 through 8 9. above, as though set forth fully herein.
- 10. Upon information and belief, Apple has infringed one or more claims of the '835 patent by making, using, offering for sale, selling, and/or importing into the United States systems and methods having data backup and recovery capabilities embodying the patented invention, including, but not limited, Apple Mac computers and Apple Mac OS X operating systems that include the Time Machine feature. The foregoing includes the following operating systems—Apple's Mac OS X 10.5 (Leopard); Mac OS X 10.6 (Snow Leopard); Mac OS X 10.7 (Lion); Mac OS X 10.8 (Mountain Lion); and all Mac laptop, desktop, and server computers that include those operating systems.
- 11. Farstone marked its patented products with the patent number of the '835 patent.
- Farstone provided Apple with actual notice of the '835 patent by an 12. email dated April 23, 2013 (attached as Ex. B). Apple responded by return emails on April 23, 2013 and May 9, 2013 (see Exs. C and D). Accordingly, Apple had knowledge of the '835 patent at least as early as April 23, 2013.
- 13. Apple provides documentation and other materials to its customers encouraging and instructing them to use the Time Machine feature.
- The Time Machine feature does not have any substantial uses that do 14. not infringe the '835 patent.
- 15. Upon information and belief, Apple has infringed one or more claims of the '835 patent by inducing others to infringe the '835 patent and/or contributing to the infringement of the '835 patent by others.

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- 16. As a consequence of Apple's direct and indirect infringement, and literal infringement and infringement by the doctrine of equivalents, of the '835 patent, with full knowledge of the '835 patent, Farstone has been damaged in an amount not yet determined.
- 17. Upon information and belief, Apple's infringement of the '835 patent will continue in the future, and Farstone will continue to suffer damages as a consequence, unless Farstone's infringing acts are enjoined by this Court.
- 18. Upon information and belief, Apple's infringement of the '835 patent has been, and continues to be, willful.

PRAYER FOR RELIEF

WHEREFORE, Farstone respectfully requests that the Court enter judgment against Apple:

- A. determining that Apple has infringed and continues to infringe one or more claims of the '835 patent;
- permanently enjoining Apple, their respective officers, agents, servants, B. directors, employees and attorneys, and all persons acting in concert or participation with them, directly or indirectly, or any of them who receive actual notice of the judgment, from further infringing, inducing others to infringe, or contributing to the infringement of any claim of the '835 patent;
- C. ordering Apple to account for and pay to Farstone all damages suffered by Farstone as a consequence of Apple's infringement of the '835 patent, together with interest and costs as fixed by the Court;
- ordering Apple to pay ongoing royalties to Farstone to compensate D. Farstone for any further direct or indirect infringement by Apple of any claim of the '835 patent after the verdict in this case;
- E. trebling Apple's damages under U.S.C. § 284 on the ground that Apple's infringement of the '835 patent was deliberate and willful;

- F. declaring that this case is exceptional and awarding Farstone its costs and attorneys' fees in accordance with 35 U.S.C. § 285; and
- G. granting Farstone such other and further relief as the Court may deem just and proper.

Dated: September 30, 2013

STROOCK & STROOCK & LAVAN LLP DANIEL A. ROZANSKY CRYSTAL Y. JONELIS

By:

Daniel A. Rozansky

Attorneys for Plaintiff FARSTONE TECHNOLOGY, INC.

DEMAND FOR JURY TRIAL Plaintiff Farstone Technology, Inc. hereby demands a jury trial pursuant to Rule 38 of the Federal Rules of Civil Procedure as to all issues in this lawsuit. STROOCK & STROOCK & LAVAN LLP Dated: September 30, 2013 DANIEL A. ROZANSKY CRYSTAL Y. JONELIS By: Daniel A. Rozansky Attorneys for Plaintiff FARSTONE TECHNOLOGY, INC.

EXHIBIT A

(12) United States Patent Qin et al.

(10) Patent No.: US 7,120,835 B2 (45) Date of Patent: Oct. 10, 2006

(54) COMPUTER EQUIPMENT HAVING A PROMPT ACCESS FUNCTION AND RELATED METHOD

(75) Inventors: Simon Qin, Chongqing (CN); Jiessie Zhang, Chongqing (CN)

(73) Assignce: Far Stone Tech, Inc., Irvine, CA (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 487 days.

(21) Appl. No.: 10/241,626

(22) Filed: Sep. 11, 2002

(65) Prior Publication Data

US 2003/0149910 A1 Aug. 7, 2003

(30) Foreign Application Priority Data

Feb. 1, 2002 (TW) 91101762 A

(51) Int. Cl. *G06F 11/00* (2006.01)

See application file for complete search history.

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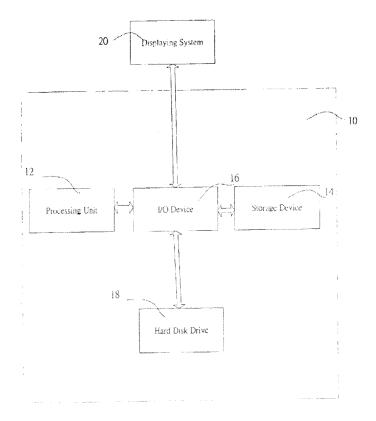
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Primary Examiner—Dieu-Minh Le (74) Attorney, Agent, or Firm—Hogan & Hartson LLP

(57) ABSTRACT

Computer equipment having a prompt access function that can be operated prior to booting an operating system. The computer equipment comprises a processing system and a displaying system. The processing system has hardware resources with a backup/recovery module. The backup/ recovery module establishes at least one recovery unit to hold backup data. The displaying system is used for displaying data contained in the processing system, corresponding to the recovery unit. The displaying system has a selecting means for selecting a status corresponding to the processing system. Thereafter, the displaying system displays the selected status. In the computer equipment of the invention, there is no limit on the amount of the recovery units which can be accessed simultaneously. The recovery unit is only loaded when it is required. Consequently, system resources can be saved, and mis-operation can be prevented.

20 Claims, 2 Drawing Sheets

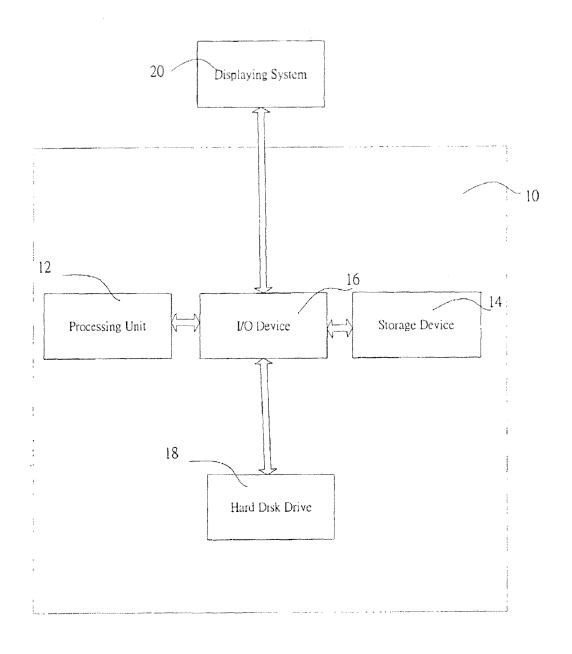


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Sheet 1 of 2

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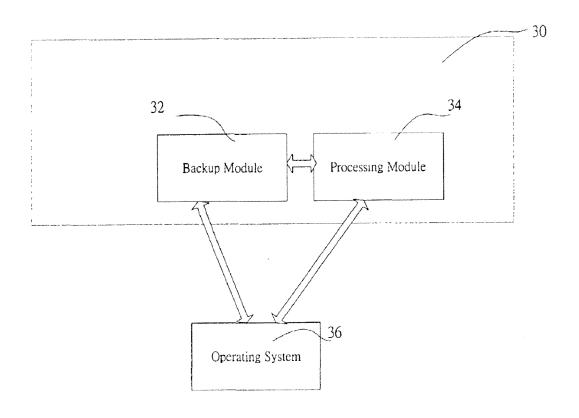


FIG. 2

COMPUTER EQUIPMENT HAVING A PROMPT ACCESS FUNCTION AND RELATED METHOD

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates generally to computer equipment having a prompt access function, and more particularly to a computer equipment and method that does 10 not need to mount restore points in advance, while unlimited restore points can simultaneously be accessed at once.

2. Description of Prior Art

Conventional backup/recovery softwares often create recovery points to backup data in a computer system for 15 restoring the computer system to a state of creating the recovery points. For example, the conventional backup/ recovery software, such as the Goback software developed by Adaptec Corporation, adopt a dynamic backup technique in creating recovery points. The valid data is backed up prior 20 making changes to the data. Such Goback software developed by Adaptec Corporation can restore the computer system to a previous state, in accordance with the backed up data, from a current state.

The conventional backup/recovery software must mount 25 every recovery points before such recovery points can be accessed. Each recovery point is mounted as a logical drive respectively, and attach to the computer system, so as to make available for access. Users can access every logical drive in order to access every file contained in the corresponding recovery point. These recovery points can make users to preview the contents of the recovery point prior to restoring the computer system.

Prior to viewing the previous created recovery points, these recovery points have to be mounted as logical drives. 35 Meanwhile, these recovery points should be loaded into a main memory.

However, these recovery points can't be viewed simultaneously. The reason is that the operating system (OS) can only support twenty-six drives at most, that is, from A to Z, 40 Accordingly, the conventional backup/recovery software only allow users to view twenty-three recovery points at one time for drives A, B and C means A disk, B disk and C disk, located in the computer system. Moreover, these limited recovery points are indirect in checking to make users 45 mis-operated.

In other words, every recovery point created by the conventional backup/recovery software has to be loaded into a main memory while the recovery points are mounted as the logical drives. The recovery points are loaded and executed with operating system (OS) intervention. This is done before the recovery points are previewed, and system resources are wasted consequently.

In addition, the users can even though preview the contents of the recovery point, however, users cannot realize 55 whether the computer system can be booted or not if the computer system is restored to a certain state of creating the recovery points. Furthermore, this operation can only be implemented in the Windows operating system. Providing that the Windows operating system cannot be booted, the 60 preview operation cannot be implemented.

SUMMARY OF THE INVENTION

The present invention provides a computer equipment 65 having a prompt access function and related method to resolve the foregoing problems faced by the conventional

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backup/recovery software. The present invention has the advantage of using the resources of the computer system in a more effective way so as to economize on system resources occupied by the conventional backup/recovery software.

An object of the present invention is to provide a computer equipment having a prompt access function and related method, wherein no recovery point should be mounted. Only when users are going to check recovery point, such recovery point is mounted into the computer system for the sake of providing a user with an outcome of recovery operation beforehand. Users also can retrieve previous data including a boot procedure of the computer system without any recovery operation is actually implemented.

Another object of the present invention is to provide a computer equipment having a prompt access function and related method, which can provide a user with unlimited recovery points for prompt checking. While the user confirms a certain recovery point is one to be selected to restore the computer system to a previous corresponding state, the user can directly restore such computer system to such previous state, in accordance with such recovery point.

Further object of the present invention is to provide a computer equipment having a prompt access function and related method, which can be operated prior to booting the operating system (OS). Moreover, according to the present invention, even if Windows operating system (OS) is destroyed thoroughly, the user still can view recovery points and the outcome thereof. Recovery points are directly visible and clear to the users so mis-operation can be prevented.

In accordance with an aspect of the present invention, a computer equipment having a prompt access function is provided, which comprises a processing system and a displaying system. The processing system has hardware resources with a backup/recovery module. The backup/recovery module creates at least one recovery unit for holding backup data. The displaying system is used for displaying data contained in the processing system, corresponding to the recovery unit. The displaying system has a selecting means for selecting a status corresponding to the processing system. Thereafter, the displaying system displays the selected status.

In the preferred embodiment of the invention, the status corresponding to said processing system is a status of said computer equipment at the time creating said corresponded recovery unit. The data contained in the processing system corresponding to the recovery unit includes configuration corresponding to the hardware resource and the backup data held in the recovery unit respectively. The displaying system has a user-operating interface. The hardware resource includes a storage apparatus, such as a hard disk. The hard disk may include an operating system (OS), the operating system (OS) can be Disk Operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS).

In accordance with another aspect of the present invention, a recovery method for providing a user with an outcome of recovery operation beforehand is suitable for a computer system. The computer system includes a processing system and a displaying system. The processing system creates at least one recovery unit, and the displaying system displays data contained in the processing system corresponding to the recovery unit. The recovery method comprising the steps of: selecting one of the at least one recovery unit; mounting the selected recovery unit into the processing

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system; and displaying a status corresponding to the processing system which corresponds to the selected recovery

In the preferred embodiment of the invention, the status corresponding to the processing system is a status of the computer equipment at the time creating the corresponded recovery unit. The data contained in the processing system corresponding to the at least one recovery unit includes configuration corresponding to the at least one hardware resource and the backup data held in the at least one recovery unit respectively. The displaying system has a user-operating interface. The computer system includes an operating system (OS), the operating system includes an operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows 15 NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS).

In accordance with further aspect of the present invention, a backup system is suitable for a computer system. The 20 computer system has a storage device and a displaying system. The storage device holds data, and the displaying system displays the data held in the storage device. The displaying system has a selecting means. The backup system comprises a backup module and a processing module. The 25 backup module creates at least one recovery unit to backup data held in the storage device. The processing module processes data and creates at least one simulating unit. The simulating unit corresponds to the recovery unit. The simulating unit loads an operating system (OS) corresponding to 30 the recovery unit. The displaying system displays data corresponding to the simulating unit. The selecting means selects one of the at least one recovery unit, and the displaying system displays the processed data.

In the preferred embodiment of the invention, the simulating unit may be created prior to loading the operating system (OS). The operating system (OS) can be Disk Operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS). The simulating unit may be created after the operating system (OS) is loaded. The processing module has a data computing unit for computing data held in the storage device and data stored in the at least one recovery unit. The simulating unit has entire data held in the storage device corresponding to the at least one recovery unit.

The present invention may best be understood through the following description with reference to the accompanying 50 drawings, in which:

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a schematic block diagram of a computer 55 equipment of a preferred embodiment according to the present invention.

FIG. 2 is a schematic block diagram showing the components of a backup/recovery system of a preferred embodiment and an operating system relevant to loading operation 60 according to the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

The present invention will now be described more specifically with reference to the following embodiments. It is to be noted that the following descriptions of preferred embodiments of this invention are presented herein for the purpose of illustration and description only. It is not intended to be exhaustive or to be limited to the precise form

The present invention describes a new computer equipment with a virtually recovery utility, which can accomplish file access to the contents of the recovery point to make sure of the previous status to be restored after rebooting the computer system. No risk resulted from actual recovery operation is remained. Users can be well aware of an outcome of a certain recovery point beforehand.

With the computer equipment having a prompt access function and related method of the present invention, the users can operate under the DOS interface to check the contents of the recovery point. No recovery operation is implemented to retrieve previous data for the user can anticipate whether the computer system can be normally booted after the computer system is actually restored in accordance with such recovery point.

The users can also directly access unlimited recovery points promptly and simultaneously without such recovery points to be mounted in advance. Such recovery points can be mounted when it is required for checking in order to economize on system resources. Furthermore, files contained in the recovery points can be easily opened, viewed, copied, or the like. Therefore, the drawbacks faced by the prior arts can be solved completely.

According to the preferred embodiment of the present invention, a computer equipment having a prompt access function that can be operated prior to booting an operating system. The computer equipment comprises a processing system and a displaying system. A processing system has at least one hardware resource with a backup/recovery module. The backup/recovery module creates at least one recovery unit to hold backup data. A displaying system can display data contained in the processing system. The data contained in the processing system corresponds to the recovery unit. The displaying system has a selecting means. The selecting means selects a status corresponding to the processing system. The displaying system displays the selected status.

The status corresponding to the processing system is a status of said computer equipment at the time creating said corresponded recovery unit. The data contained in the processing system corresponding to the recovery unit includes configuration corresponding to the hardware resource and the backup data held in the recovery unit respectively. The displaying system has a user-operating interface. The hardware resource includes a storage apparatus, such as a hard disk. The hard disk may include an operating system (OS), the operating system (OS) can be Disk Operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS).

Referring to FIG. 1, a schematic block diagram of a computer equipment of a preferred embodiment according to the present invention is shown. The computer equipment of the present invention can access data in the computer system promptly. The computer equipment having a prompt access function includes a processing system 10 and a displaying system 20. The processing system 10 has at least one hardware resource for processing or operating, such as a computer system, wherein a processing unit 12, a storage

device 14, and an I/O device 16 are included therein. The processing system 10 may also include a CD-ROM drive, a printer or a soft disk drive.

The I/O device 16 is coupled between the processing unit 12 and the storage device 14. The I/O device 16 is coupled to the hard disk 18 for storing data contained in the computer system. The storage device 14 may have a hard disk drive 18. Optionally, the storage device 14 may include a system memory for storing data. The I/O device 16 can be a system bus

The processing system 10 has a backup/recovery module. The backup/recovery module can be a backup/recovery program. The backup/recovery program can be compressed in order to economize on storage space occupied by such program. The backup/recovery program can create at least one recovery point to hold backup data. The backup/recovery module can be installed in the storage device 14 or in the hard disk 18.

The hard disk 18 may include an operating system (OS), the operating system (OS) is selected from the group consisting of Disk Operating System (DOS), Windows, Linux, Windows NT, and Mac. Disk Operating System (DOS) can be operated prior to booting an operating system. Information for recovering previous status is provided on an interface for Disk Operating System (DOS).

The displaying system 20 coupled to the I/O device 16 can be used for displaying data contained in the processing system 10. The data contained in the processing system 10 corresponds to each recovery point. Each recovery point is demonstrated in a form of file folder to the users to facilitate 30 operations for the users.

The displaying system 20 can display data stored in the storage device 14. The displaying system 20 may include a user-operating interface. The user-operating interface can be a keyboard, a mouse, or the like, to provide the user with 35 inputting command and information.

The displaying system 20 may have a selecting means. The selecting means selects a status corresponding to the processing system 10. The displaying system 20 displays the selected status.

The status corresponding to the processing system 10 is a status of the computer equipment at the time creating the corresponded recovery point. The data contained in the processing system 10 corresponding to the recovery point includes configuration corresponding to the hardware 45 resources at that time and the backup data held in the corresponded recovery point respectively.

While the user selects a recovery point with the selecting means and thereby selects the status corresponding to the processing system 10, the backup/recovery module thereafter loads drivers and operating interfaces. Each driver maps the access to configuration of the computer equipment into the access to the data in the corresponded recovery point.

Each recovery point is demonstrated in a form of file folder to the users to facilitate operations for the users. The users can conveniently extract directory or files inside the recovery points. The users can rename or remove any of them, view contents thereof, or perform recovery operation, simultaneously and immediately. After one recovery point is selected, the selected recovery point is opened to the user. The user can open executable files, pictures or documents without restoring the computer equipment to such status.

According to the preferred embodiment of the present invention, a recovery method for providing a user with an outcome of recovery operation beforehand is suitable for a 65 computer system. The computer system includes a processing system and a displaying system. The processing system

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creates at least one recovery unit, and the displaying system displays data contained in the processing system corresponding to the recovery unit. The recovery method comprising the steps of: selecting one of the at least one recovery unit; mounting the selected recovery unit into the processing system; and displaying a status corresponding to the processing system which corresponds to the selected recovery unit.

The status corresponding to the processing system is a status of the computer equipment at the time creating the corresponded recovery unit. The data contained in the processing system corresponding to the at least one recovery unit includes configuration corresponding to the at least one hardware resource and the backup data held in the at least one recovery unit respectively. The displaying system has a user-operating interface. The computer system includes an operating system (OS), the operating system (OS) can be Disk Operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS).

After the user selects a recovery point, the selected recovery point is mounted into the processing system. A status corresponding to the processing system is displayed. The status corresponding to the processing system is a status of the computer equipment at the time creating the corresponded recovery unit, which corresponds to the selected recovery point. The user can open every recovery unit respectively in a manner of opening a file folder. The contents therein includes configuration corresponding to the computer equipment at the time creating the corresponded recovery point. The computer equipment may comprises a hard disk drive C, a CD-ROM drive D, or a printer. The configuration corresponding to the computer equipment is the configuration of the computer equipment at the time creating the corresponded recovery point.

By opening the selected recovery point, the user can view the contents thereof directly. For example, the user adds a printer on February 27, then, the configuration of the computer equipment for February 26 contains no such printer, while the configuration of February 28 contains.

The present invention can access unlimited recovery points simultaneously. Furthermore, the present invention does not need to mount restore points in advance. Accordingly, system resources can be saved, and mis-operation can be prevented owing to viewing such recovery points directly.

The present invention can be operated prior to booting an operating system. Even if the computer system cannot be booted due to the Windows operating system is destroyed thoroughly, the user still can check outcome of recovery operation.

The displaying system 20 displays the entire outcome of recovery operation, including a boot procedure of the computer system. Consequently, the user can directly and easily access unlimited restore points simultaneously and immediately. While restore point is checked, data stored therein can be opened, copied, in order to eliminate the risk resulted from actual recovery operation.

Upon the user selects a restore point under the DOS interface, the displaying system 20 displays an option for the user to obtain outcome of recovery operation corresponding to such restore point. If such restore point is selected, the operating system is loaded. After the user confirms that the restore point is the required restore point, the status corresponding to such restore point can be set as a current status.

According to the preferred embodiment of the present invention, a backup system is suitable for a computer system. The computer system has a storage device and a displaying system. The storage device holds data, and the displaying system displays the data held in the storage 5 device. The displaying system has a selecting means. The backup system comprises a backup module and a processing module. The backup module creates at least one recovery unit to store data held in the storage device. The processing module processes data and creates at least one simulating 10 unit. The simulating unit corresponds to the recovery unit. The simulating unit loads an operating system (OS) corresponding to the recovery unit. The displaying system displays the simulating unit. The selecting means selects one of the at least one recovery unit, and the displaying system 15 displays the processed data.

The simulating unit may be created prior to loading the operating system (OS). The operating system (OS) can be Disk Operating System (DOS), Windows 9x (Window 95, Window 98, Window Millennium, etc.), Linux, Windows 20 NT, Window 2000, Window XP, Mac OS, or the like. The information for recovering previous status is provided on an interface for Disk Operating System (DOS). The simulating unit may be created after the operating system (OS) is loaded. The processing module has a data computing unit for computing data held in the storage device and data stored in the at least one recovery unit. The simulating unit has entire data held in the storage device corresponding to the at least one recovery unit.

Referring to FIG. 2, a schematic block diagram of a 30 backup/recovery system of a preferred embodiment according to the present invention is shown. According to the present invention, the backup/recovery system 30 of the present invention is suitable for a computer equipment, which includes a storage device 14 and a displaying system 30. FIG. 2 shows only the components of the backup/recovery system 30 that are required to provide the computer equipment with prompt access function. As shown in FIG. 2, the backup/recovery system 30 comprises a backup module 32 and a processing module 34.

The backup module 32 can create at least one recovery point to hold data stored in the storage device 14. The recovery points may be stored in a hard disk drive 18 of the computer equipment, a network communicated with the computer equipment, or a storage media, such as a CD-RW, 45 a tape, or the like.

The backup module 32 can be a static backup/recovery module, a dynamic backup/recovery module, an integrated backup/recovery module, or the like, can all be adopted in the backup/recovery system 30. The backup module 32 is 50 used for backing up data stored in the storage device 14 of the computer equipment, particularly stored in the hard disk drive 18.

The processing module 34 includes a computing unit and at least one simulating unit. The computing unit is used for 55 computing data stored in the storage device 14 and data in the recovery points. After data computing, the simulating units corresponding to the recovery points are created. The simulating unit emulates the computer equipment.

The processing module 34 computes data in the current 60 computer equipment and data backed up in the backup module 32, and creates the simulating unit having entire data in the storage device 14 thereafter. The entire data in the storage device 14 is the actual data at the time the recovery point is created.

In FIG. 2, an operating system (OS) 36 relevant to loading operation is shown. The simulating unit loads the operating

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system (OS) 36 corresponding to the recovery point. One simulating unit may be taken over by another anytime.

The operating system (OS) 36 is selected from the group consisting of Disk Operating System (DOS), Windows, Linux, Windows NT, and Mac. Disk Operating System (DOS) can be operated prior to booting an operating system. Information for recovering previous status is provided on an interface for Disk Operating System (DOS).

The displaying system 20 displays the simulating unit, then one of the recovery points is selected through the selecting means, and the displaying system 20 displays the computed data.

The computing unit computes data in the current computer equipment and backup data held in the recovery point. Afterward the simulating unit corresponding to the recovery point is created.

The simulating units can be created before or after loading the operating system (OS) 36. In the event of creating the simulating unit prior to loading the operating system (OS) 36, the simulating unit can load any operating system (OS) 36 corresponding to any recovery point.

While the simulating units is created after the operating system (OS) 36 is loaded, in that case, the status of the computer equipment at the time every certain recovery point is created can be viewed under the operating system (OS) 36

The backup/recovery system of the present invention can emulate the computer equipment. Data therein at the time creating the recovery point can be viewed, added or removed. Moreover, the simulating unit can load the operating system prior to booting the operating system (OS), which is distinguishing from the conventional technique. Hence, the shortcoming that the data have to actually restore the computer system to a previous state can be entirely avoided.

The computer equipment having a prompt access function and related method according to the present invention can mount recovery point only when it is required. Furthermore, there is no limit on the amount of the recovery points which can be accessed simultaneously. The present invention also provides a user with an outcome of recovery operation beforehand so that the questionable problem of the system booting normally faced by the conventional backup/recovery software can be fully solved.

According to the above description, it is evident that unlimited restore points can simultaneously be viewed and accessed at once. It is unnecessary to occupy the system resources in advance. In addition, the present invention provides the user with a preview of restore points even though the computer system cannot be booted already.

While the invention has been described by way of example and in terms of the preferred embodiment, it is to be understood that the invention is not limited to the disclosed embodiments. To the contrary, it is intended to cover various modifications and similar arrangements as would be apparent to those skilled in the art. Therefore, the scope of the appended claims should be accorded the broadest interpretation so as to encompass all such modifications and similar arrangements.

What is claimed is:

- 1. A computer equipment having a prompt access function, said computer equipment comprising:
- a processing system having at least one hardware resource with a backup/recovery module, said backup/recovery module creating at least one recovery unit to hold backup data; and

- a displaying system for displaying backed up data of said processing system, said backed up data of said processing system corresponding to each of said at least one recovery unit, said displaying system having a selecting means, said selecting means selecting a status corresponding to said processing system at the time of creation of each of said at least one recovery unit, said displaying system displaying said selected status;
- wherein said at least one recovery unit respectively reflects a corresponding status of said at least one 10 hardware resource at the time of creation of each of said at least one recovery unit, said at least one hardware resource can be restored to status at the time of creation of each of said at least one recovery unit.
- 2. The computer equipment according to claim 1, wherein 15 said status corresponding to said processing system is a status of said computer equipment at the time creating said corresponded recovery unit.
- 3. The computer equipment according to claim 1, wherein said data contained in said processing system corresponding 20 to said at least one recovery unit includes configuration corresponding to said at least one hardware resource and said backup data held in said at least one recovery unit respectively.
- 4. The computer equipment according to claim 1, wherein 25 said displaying system has a user-operating interface.
- 5. The computer equipment according to claim 1, wherein said at least one hardware resource includes a storage apparatus.
- 6. The computer equipment according to claim 1, wherein 30 said at least one hardware resource includes a hard disk.
- 7. The computer equipment according to claim 6, wherein said hard disk includes an operating system (OS), said operating system (OS) is selected from the group consisting of Disk Operating System (DOS), Windows, Linux, Win- 35 dows NT, and Mac.
- 8. The computer equipment according to claim 7, wherein information for recovering previous status are provided on an interface for Disk Operating System (DOS).
- 9. A recovery method for providing a user with an 40 outcome of recovery operation beforehand, suitable for a computer system including a processing system and a displaying system, said processing system creating at least one recovery unit, said displaying system displaying backed up data of said processing system corresponding to said recov- 45 ery unit, said recovery method comprising the steps of:

selecting one of said at least one recovery unit;

- loading said selected recovery unit into said processing
- displaying a status corresponding to said processing sys- 50 tem which corresponds to said selected recovery unit, wherein said at least one recovery unit respectively reflects a corresponding status of at least one hardware resource of said processing system at the time of creation of each of said at least one recovery unit, said 55 at least one hardware resource can be restored to status at the time of creation of each of said at least one recovery unit.
- 10. The recovery method according to claim 9, wherein said status corresponding to said processing system is a 60 device corresponding to said at least one recovery unit. status of said computer equipment at the time creating said corresponded recovery unit.

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- 11. The recovery method according to claim 9, wherein said data contained in said processing system corresponding to said at least one recovery unit includes configuration corresponding to said at least one hardware resource and said backup data held in said at least one recovery unit respectively.
- 12. The recovery method according to claim 9, wherein said displaying system has a user-operating interface.
- 13. The recovery method according to claim 9, wherein said computer system includes an operating system (OS), said operating system (OS) is selected from the group consisting of Disk Operating System (DOS), Windows, Linux, Windows NT, and Mac.
- 14. The recovery method according to claim 13, wherein information for recovering previous status are provided on an interface for Disk Operating System (DOS).
- 15. A backup system, which is installed in a computer system having a storage device and a displaying system, said storage device holding data, said displaying system displaying said data held in said storage device, said displaying system having a selecting means, said backup system comprising:
 - a backup module for creating at least one recovery unit to backup data held in said storage device; and
 - a processing module for processing data and creating at least one simulating unit, said at least one simulating unit corresponding to said at least one recovery unit, wherein
- said simulating unit loads an operating system (OS) corresponding to said recovery unit, said displaying system displays data corresponding to said simulating unit, said selecting means selects one of said at least one recovery unit, and said displaying system displays said processed data,
- wherein said at least one recovery unit respectively reflects a corresponding status of at least one hardware resource of said computer system at the time of creation of each of said at least one recovery unit, said at least one hardware resource can be restored to status at the time of creation of said at least one recovery unit.
- 16. The backup system according to claim 15, wherein said simulating unit is created prior to loading said operating system (OS).
- 17. The backup system according to claim 15, wherein said operating system (OS) is selected from the group consisting of Disk Operating System (DOS), Windows, Linux, Windows NT, and Mac, wherein information for recovering previous status are provided on an interface for Disk Operating System (DOS).
- 18. The backup system according to claim 15, wherein said simulating unit is created after said operating system (OS) is loaded.
- 19. The backup system according to claim 15, wherein said processing module has a data computing unit for computing data held in said storage device and data stored in said at least one recovery unit.
- 20. The backup system according to claim 15, wherein said simulating unit has entire data held in said storage

EXHIBIT B

From: Sent: Thomas Lin <tlin@farstone.com> Tuesday, April 23, 2013 4:30 PM

To: Subject: Attachments: Denise Kerstein Re: FarStone patent USPN 7120835.pdf

Dear Ms. Kerstein,

I am the President of FarStone Technology, Inc., which is the owner of U.S. Patent No. 7,120,835 (a copy of which is attached). The patent relates to backup and recovery software, such as the Time Machine software in the MacOS.

We would like an opportunity to discuss this patent with you. Please let me know if you are interested.

Sincerely,

Thomas Lin (tlin@farstone.com) - Trusted PC and Server Backup FarStone Technology Inc.
Irvine, USA
www.farstone.com

EXHIBIT C

From:

Denise Kerstein < dkerstein@apple.com>

Sent:

Tuesday, April 23, 2013 4:35 PM

To:

Thomas Lin

Cc: Subject: Denise Kerstein Re: FarStone patent

Thomas,

Thank you for sending. We will have a look.

Denise

Denise Kerstein Head of Patent Acquisitions | . Apple Inc. | T 408-839-4608 | denisekerstein@apple.com

On Apr 23, 2013, at 1:29 PM, Thomas Lin < tlin@farstone.com> wrote:

Dear Ms. Kerstein,

I am the President of FarStone Technology, Inc., which is the owner of U.S. Patent No. 7,120,835 (a copy of which is attached). The patent relates to backup and recovery software, such as the Time Machine software in the MacOS.

We would like an opportunity to discuss this patent with you. Please let me know if you are interested.

Sincerely,

Thomas Lin (<u>tlin@farstone.com</u>) - Trusted PC and Server Backup FarStone Technology Inc. Irvine, USA www.farstone.com

<USPN 7120835.pdf>

EXHIBIT C PAGE 16

EXHIBIT D

From:

Elaine Wong <elainewong@apple.com>

Sent:

Thursday, May 09, 2013 5:21 PM

To: Subject: tlin@farstone.com Re: FarStone patent

Follow Up Flag: Flag Status:

Follow up Flagged

Dear Thomas,

We have reviewed your patent and there's no interest currently. Thank you for taking your time to contact us here at Apple.

Regards,

Elaine Wong

Patent Acquisitions • Apple Inc. 3

O: 408-862-5004 · E: elainewong@apple.com

From: Thomas Lin <tlin@farstone.com>

Subject: Re: FarStone patent

Date: April 23, 2013 1:29:58 PM PDT

To: Denise Kerstein < denisekerstein@apple.com >

Dear Ms. Kerstein,

I am the President of FarStone Technology, Inc., which is the owner of U.S. Patent No. 7,120,835 (a copy of which is attached). The patent relates to backup and recovery software, such as the Time Machine software in the MacOS.

We would like an opportunity to discuss this patent with you. Please let me know if you are interested.

Sincerely,

Thomas Lin (tlin@farstone.com) - Trusted PC and Server Backup FarStone Technology Inc.
Irvine, USA
www.farstone.com

<USPN 7120835.pdf>

UNITED STATES DISTRICT COURT CENTRAL DISTRICT OF CALIFORNIA

NOTICE OF ASSIGNMENT TO UNITED STATES JUDGES

This case has been assigned to Di	istrict Judge	Stephen V. Wilson	and the assigned				
Magistrate Judge is John E. M	cDermott .						
· · · · · · · · · · · · · · · · · · ·							
The case number on all documents filed with the Court should read as follows:							
8:13-cv-01537 SVW-JEMx							
Pursuant to General Order 05-07 of the United States District Court for the Central District of							
Camornia, the wagistrate judge has bee	California, the Magistrate Judge has been designated to hear discovery related motions.						
All discovery related motions should be noticed on the calendar of the Magistrate Judge.							
		Clerk, U. S. Distric	ct Court				
Contombor 20, 2012		D anotinopole					
September 30, 2013		By <u>SBOURGEOIS</u> Deputy Clerk					
Date		Deputy Siena					
	NOTICE TO COU	JNSEL					
A copy of this notice must be served with	the summons and con	ıplaint on all defend	ants (if a removal action is				
filed, a copy of this notice must be served							
Subsequent documents must be filed at the following location:							
Western Division 312 N. Spring Street, G-8 Los Angeles, CA 90012	Southern Division 411 West Fourth St., S Santa Ana, CA 92701	te 1053 347	stern Division 70 Twelfth Street, Room 134 verside, CA 92501				
Failure to file at the proper location will result in your documents being returned to you.							

Case 2:13 qv-01537-ODW-JEM Document	1 Filed 09/30/13 Page 23 of 26 Page ID #:30
STROOCK & STROOCK & LAVAN LLP	
Daniel A. Rozansky (SBN 161647)	
drozansky@stroock.com	
2029 Century Park East	
Los Angeles, CA 90067-3086 Tel: 310-556-5986	
	DISTRICT COURT CT OF CALIFORNIA
Farstone Technology, Inc., a California corporation,	CASE NUMBER
PLAINTIFF(S) V.	8:13-W-15375W-JEMA
Apple Inc., a California corporation,	
	SUMMONS
DEFENDANT(S).	
must serve on the plaintiff an answer to the attached of counterclaim cross-claim or a motion under Rule 1 or motion must be served on the plaintiff's attorney, Day Stroock & Stroock & Lavan LLP, 2029 Century Park E judgment by default will be entered against you for the	2 of the Federal Rules of Civil Procedure. The answer miel A. Rozansky , whose address is ast, Los Angeles, CA 90067 . If you fail to do so,
your answer or motion with the court.	
SEP 3 0 2013 Dated:	By: Deputy Clerk (Seal of the 184urt)
[Use 60 days if the defendant is the United States or a United States 60 days by Rule 12(a)(3)].	s agency, or is an officer or employee of the United States. Allowed

SUMMONS

CV-01A (10/11

Case 8:13-cv-01537-ODW-1EM Document 1 Filed 09/30/13 Page ID #:31 CIVIL COVER SHEET

I. (a) PLAINTIFFS (Che	ck box if you are repre	senting yourself [])	DEFENDANTS	DEFENDANTS (Check box if you are representing yourself [)				
Farstone Technology, Inc., a	California corporation		Apple Inc., a Californ	ia corporation				
			(In) And (In)	A3 8	hana Number If war			
(b) Attorneys (Firm Name, are representing yourself, Daniel A. Rozansky (State Bai 2029 Century Park East, Los Tel: 310-556-5800	provide same informa r No. 161647) Stroock & S	tion.)	(b) Attorneys (Firm are representing yo	(b) Attorneys (Firm Name, Address and Telephone Number. If you are representing yourself, provide same information.)				
				~/				
II. BASIS OF JURISDIC	TION (Place an X in o	ne box only.)	(Place an X in one bo	INCIPAL PARTIES-For D x for plaintiff and one for d	efendant)			
1. U.S. Government			Citizen of This State	rf DEF Incorporated or of Business in the				
1 141111111	oore	rior o r urty,	Citizen of Another State		nd Principal Place 5 5			
2. U.S. Government 4. Diversity (Indicate Citizenship of Parties in Item III)			Citizen or Subject of a Foreign Country	' I 3 I 3 Foreign Nation I 1 6				
IV. ORIGIN (Place an X	in one box only.)							
1. Original 2.	•	3. Remanded from Appellate Court		insferred from Another	Multi- District tigation			
V. REQUESTED IN COM	MPLAINT: JURY DE	MAND: X Yes	No (Check "Yes" o	nly if demanded in comp	plaint.)			
CLASS ACTION under	F.R.Cv.P. 23:	∕es 💢 No	MONEY DEMA	NDED IN COMPLAINT:	\$			
VI. CAUSE OF ACTION 35 U.S.C. 271 et. seq Infrinc		e under which you are fil	ing and write a brief statemer	nt of cause. Do not cite jurisdic	ctional statutes unless diversity.)			
VII. NATURE OF SUIT (Place an X in one bo	x only).						
OTHER STATUTES	CONTRACT	REAL PROPERTY CONT		PRISONER PETITIONS	PROPERTY RIGHTS			
375 False Claims Act	110 Insurance	240 Torts to Land	462 Naturalization Application	Habeas Corpus:	820 Copyrights			
A00 State Reapportionment	120 Marine	245 Tort Product Liability	465 Other	463 Alien Detainee 510 Motions to Vacate	x 830 Patent			
410 Antitrust	130 Miller Act	290 All Other Real Property	Immigration Actions TORTS	Sentence 530 General	840 Trademark SOCIAL SECURITY			
430 Banks and Banking	140 Negotiable	TORTS	PERSONAL PROPERTY	535 Death Penalty	861 HIA (1395ff)			
450 Commerce/ICC Rates/Etc.	150 Recovery of	PERSONAL PROPERT	370 Other Fraud	Other:	862 Black Lung (923)			
460 Deportation	Overpayment & Enforcement of	310 Airplane	371 Truth in Lending	540 Mandamus/Other	863 DIWC/DIWW (405 (g))			
470 Racketeer Influ-	Judgment	315 Airplane Product Liability	380 Other Personal	550 Civil Rights	864 SSID Title XVI			
enced & Corrupt Org.	151 Medicare Act	320 Assault, Libel & Slander		555 Prison Condition	865 RSI (405 (g))			
480 Consumer Credit	152 Recovery of Defaulted Student	330 Fed. Employers	, 385 Property Damage Product Liability	560 Civil Detainee Conditions of	FEDERAL TAX SUITS			
490 Cable/Sat TV	Loan (Excl. Vet.)	☐ Liability	BANKRUPTCY	Confinement	870 Taxes (U.S. Plaintiff or			
850 Securities/Com-	153 Recovery of	340 Marine 345 Marine Product	422 Appeal 28	FORFEITURE/PENALTY	Defendant)			
modities/Exchange	Overpayment of Vet. Benefits	Liability	USC 158 423 Withdrawal 28	625 Drug Related Seizure of Property 21	871 IRS-Third Party 26 USC 7609			
Actions	160 Stockholders'	350 Motor Vehicle 355 Motor Vehicle	☐ USC 157	USC 881 ,				
891 Agricultural Acts	Suits	Product Liability	CIVIL RIGHTS					
Matters 893 Environmental	190 Other Contract	360 Other Personal	440 Other Civil Rights 441 Voting	710 Fair Labor Standards				
B95 Freedom of Info.	195 Contract Product Liability	362 Personal Injury Med Malpratice	442 Employment	720 Labor/Mgmt.				
896 Arbitration	196 Franchise	365 Personal Injury Product Liability	- 443 Housing/ Accomodations	Relations 740 Railway Labor Act				
899 Admin. Procedures	REAL PROPERTY	367 Health Care/	445 American with	751 Family and Medical				
Act/Review of Appeal of	210 Land Condemnation	Pharmaceutical Personal Injury	Disabilities- Employment	Leave Act				
Agency Decision	220 Foreclosure	Product Liability	446 American with	790 Other Labor Litigation				
☐ 950 Constitutionality of State Statutes	230 Rent Lease &	368 Asbestos Personal Injury	Disabilities-Other 448 Education	791 Employee Ret. Inc.				
State Statutes	L Ejectment	Product Liability	1	Security Act				
EAD ACCIDE HEE AND V.	Case Number:	8:17W	-1527					
FOR OFFICE USE ONLY:	case number:	<u> </u>			-			
			UN COURD SUPET		Pros 1 of 3			

UNITED STATES DISTRICT COURT, CENTRAL DISTRICT OF CALIFORNIA CIVIL COVER SHEET

VIII. VENUE: Your answers to the questions below will determine the division of the Court to which this case will most likely be initially assigned. This initial assignment is subject to change, in accordance with the Court's General Orders, upon review by the Court of your Complaint or Notice of Removal.

Question A: Was this case removed state court?	d from	m STATE CASE WAS PENDING IN THE COUNTY OF: INITIAL DIVISION IN CACD IS:						ACD IS:		
Yes X No		Los Angeles					Western			
If "no, " go to Question B. If "yes," check the box to the right that applies, enter the corresponding division in response to		Ventura, Santa Barbara, or San Luis Obispo						Western		
)range				Southern			
Question D, below, and skip to Section	n IX.	R	iverside or San Bernardino				Eastern			
Question B: Is the United States, or one of its agencies or employees, a party to this		If the United States, or one of its agencies or employees, is a party, is it:					***			
action?		A PLAINTIFF? A DEFENDANT?						INIT DIVISIO		
Yes 🗷 No			en check the box below for the co							
If "no, " go to Question C. If "yes," che		Los Angeles				s Angeles				
box to the right that applies, enter the corresponding division in response to	,		entura, Santa Barbara, or San Bispo	Luis	Ventura, Santa Barbara, or San Luis Obispo		ın Luis	Western		
Question D, below, and skip to Section	n IX.		range		Orange			Southern		
		R	iverside or San Bernardino		Riv	verside or San Bernardino		Eastern		
			ther		Other			Western		
Question C: Location of plaintiffs, defendants, and claims?	A. Los And Cour	geles	B. Ventura, Santa Barbara, or San Luis Obispo Counties	C. Orange (D. Riverside or San Bernardino Counties		E. de the Central ct of California	F. Other	
Indicate the location in which a majority of plaintiffs reside:				×	\boxtimes					
Indicate the location in which a majority of defendants reside:]]			X		
Indicate the location in which a majority of claims arose:]								
									end (
C.1. Is either of the following true?	If so, ch	eck th	e one that applies:	C.2. Is	either o	f the following true? If s	o, check the	one that applies:		
2 or more answers in Colum	ın C] 2 or r	nore answers in Column D	•			
🗶 only 1 answer in Column C a	and no a	nswer	s in Column D		only	1 answer in Column D and	no answers	in Column C		
Your case will initi			d to the			Your case will initial		ed to the		
SOUTHERN DIVISION. Enter "Southern" in response to Question D,			tion D, below.	EASTERN DIVISIOI Enter "Eastern" in response to Qu				on D, below.		
If none applies, answer question C2 to the right.				If none applies, go to the box below. $lacksquare$						
			Your case will i	,	_	f to the				
			WES Enter "Western" in r	TERN DIVIS esponse to		on D below.				
Question D: Initial Division?		engri i her				INITIAL DIVI	SION IN CAC	0	en er en grunn er en	
Enter the initial division determined by Question A, B, or C above:				Southern Division						

CIVIL COVER SHEET

Page 2 of 3

CV-71 (09/13)

UNITED STATES DISTRICT COURT, CENTRAL DISTRICT OF CALIFORNIA CIVIL COVER SHEET

IX(a). IDENTICAL CAS	SES: Has this act	ion been previously filed in this court and dismissed, remanded or closed?	X NO	YES				
If yes, list case numb	per(s):			nomena da sastiri na bibano na da aki kata na da aki na da a				
IX(b). RELATED CASE	S : Have any case	es been previously filed in this court that are related to the present case?	× NO	YES				
If yes, list case numb	per(s):		nd ang jima aknow sinkara khaja maja ana kakisa na khawa sinka khan khali mili ini kinka hili k					
Civil cases are deemed r	related if a previo	usly filed case and the present case:						
(Check all boxes that app	(Check all boxes that apply) A. Arise from the same or closely related transactions, happenings, or events; or							
	B. Call for determination of the same or substantially related or similar questions of law and fact; or							
	C. For other reasons would entail substantial duplication of labor if heard by different judges; or							
	D. Involve the same patent, trademark of copyright, and one of the factors identified above in a, b or c also is present.							
other papers as required by	The CV-71 (JS-44) (law. This form, app	DATE: Civil Cover Sheet and the information contained herein neither replace nor supplement proved by the Judicial Conference of the United States in September 1974, is required prose of statistics, venue and initiating the civil docket sheet. (For more detailed instructions)	t the filing and se	rvice of pleadings or Rule 3-1 is not filed				
Key to Statistical codes relat	ing to Social Securi	ty Cases:						
Nature of Suit Code	Abbreviation	Substantive Statement of Cause of Action						
861	HIA	All claims for health insurance benefits (Medicare) under Title 18, Part A, of the Social include claims by hospitals, skilled nursing facilities, etc., for certification as providers (42 U.S.C. 1935FF(b))						
862	BL	All claims for "Black Lung" benefits under Title 4, Part B, of the Federal Coal Mine Health and Safety Act of 1969. (30 U.S.C. 923)						
863	DIWC	All claims filed by insured workers for disability insurance benefits under Title 2 of the Social Security Act, as amended; plus all claims filed for child's insurance benefits based on disability. (42 U.S.C. 405 (g))						
863	DIWW All claims filed for widows or widowers insurance benefits based on disability under Title 2 of the Social Security Act, as amended. (42 U.S.C. 405 (g))							
864	SSID	All claims for supplemental security income payments based upon disability filed unamended.	der Title 16 of the	e Social Security Act, as				

All claims for retirement (old age) and survivors benefits under Title 2 of the Social Security Act, as amended. (42 U.S.C. 405 (g))

CV-71 (09/13) CIVIL COVER SHEET Page 3 of 3

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RSI