Exhibit 4

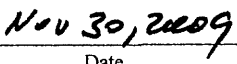## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Reexamination Application/Control No. 95/001,172   Examiner: Christopher E. Lee

Inter Partes Reexamination of U.S. Patent No. 6,725,427

Patent Granted On April 20, 2004

Title: DOCUMENT STREAM OPERATING SYSTEM WITH DOCUMENT
         ORGANIZING AND DISPLAY FACILITIES

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REPLACEMENT SUPPLEMENTAL AMENDMENT

This Amendment supplements the Amendment submitted on October 28, 2009 in response to the Office Action dated September 28, 2009 in connection with the above-identified application. This paper is filed within the two-month response period specified in the Office Action. If the Central Reexamination Unit determines that a supplemental amendment is not permitted, patentee respectfully requests that this submission be deemed a substitute amendment that incorporates by reference the previously submitted Amendment, subject to the clarifications made in this paper.

Amendments to the Claims are reflected in the **Listing of Claims** beginning on page 2.

Remarks begin on page 14 of this paper.

Listing of Claims

       The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1.   (Original)   A stream-based operating system utilizing subsystems from another operating system running a computer, comprising: a document organizing facility receiving documents created by diverse applications in diverse formats specific to the respective applications; said document organizing facility automatically associating respective selected indicators with the received documents, automatically archiving the documents and indicators in consistent format for selective retrieval, and automatically creating information specifying respective glance views of said documents and respective document representations of said documents; a display facility displaying at least selected document representations as a receding, foreshortened stack of partly overlapping document representations such that only a part of each displayed document representation, after the first in the stack, is visible to the user; said display facility further displaying a cursor or pointer and responding to user-controlled sliding without clicking of the cursor over said displayed stack to display a glance view of a document whose document representation is currently touched by the cursor or pointer; and said stream-based operating system utilizing subsystems from said another operating system for operations including writing documents to storage media, interrupt handling and input/output.

2.   (Original)   A stream-based operating systems as in claim 1 in which said selected indicators are time-based.

3.   (Original)   A stream-based operating system as in claim 1 in which said another operating system is a Windows operating system.

4.   (Original)   A stream-based operating system as in claim 1 in which said another operating systems is an Apple operating system.

5.   (Original)   A stream-based operating system as in claim 1 in which said display of said glance view comprises an abbreviated version of the respective document.

6.   (Original)   A stream-based operating system as in claim 1 in which said display of a glance view comprises the first non-trivial words of the respective document resulting from header-stripping the document.

7.   (Original)   A stream-based operating system as in claim 1 in which said display of a glance view comprises important words, pictures, and/or sounds of the respective document resulting from complex analysis of the document.

8.   (Original)   A controlling operating system utilizing subsystems from another operating system running a computer, comprising: a document organizing facility receiving documents from diverse applications in diverse formats specific to the respective applications; said document organizing facility automatically associating selected indicators with the received documents, automatically archiving the documents and indicators in consistent format for selective retrieval, and automatically creating information specifying respective glance views of said documents and respective document representations of said documents; a display facility displaying at least selected ones of said document representations; said display facility further displaying a cursor or pointer and responding to user-controlled sliding without clicking of the cursor or pointer over the displayed document representations to display at least a glance view of a document whose document representation is currently touched by the cursor or pointer; and said controlling operating system utilizing subsystems from said another operating system for operations including writing documents to storage media, interrupt handling and input/output.

9.   (Original)   An operating systems as in claim 8 in which said selected indicators are time-based.

10.   (Original)   An operating system as in claim 8 in which said display facility displays said document representations as a receding, foreshortened stack of partly overlapping document representations such that only a part each but the first document representation in the displayed stack is visible to a user.

11.   (Original)   A stream-based operating system as in claim 8 in which said another operating system is a Windows operating system.

12.   (Original)   A stream-based operating system as in claim 8 in which said another operating systems is an Apple operating system.

13.   (Original)   A stream-based operating system as in claim 8 in which said display of said glance view comprises an abbreviated version of the respective document.

14.   (Original)   A stream-based operating system as in claim 8 in which said display of a glance view comprises the first non-trivial words of the respective document resulting from header-stripping the document.

15.   (Original)   A stream-based operating system as in claim 8 in which said display of a glance view comprises important words, pictures, and/or sounds of the respective document resulting from complex analysis of the document.

16.   (Original)   A controlling operating system utilizing subsystems from another operating system running a computer, comprising: a document organizing facility associating selected indicators with received or created documents and creating information specifying glance views of the respective documents and information specifying document representations of the respective documents; a display facility displaying at least selected ones of said document representations; said display facility further displaying a cursor or pointer and responding to a user sliding without clicking the cursor or pointer over a portion of a displayed document representation to display the glance view of the document whose document representation is

touched by the cursor or pointer; and said controlling operating system utilizing subsystems from said another operating system for operations including writing documents to storage media, interrupt handling and input/output.

17.   (Original)   An operating systems as in claim 16 in which said selected indicators are time-based.

18.   (Original)   An operating system as in claim 16 in which said display facility displays said document representations as a receding, foreshortened stack of partly overlapping document representations such that only a part of most document representations in the displayed stack is visible to a user.

19.   (Original)   An operating system as in claim 16 in which said document organizing facility receives said document in formats specific to heterogeneous applications and creates said information specifying said glance views to enable display of the glance views in a consistent format.

20.   (Original)   A stream-based operating system as in claim 16 in which said another operating system is a Windows operating system.

21.   (Original)   A stream-based operating system as in claim 16 in which said another operating systems is an Apple operating system.

22.   (Original)   A stream-based operating system as in claim 16 in which said display of said glance view comprises an abbreviated version of the respective document.

23.   (Original)   A stream-based operating system as in claim 16 in which said display of a glance view comprises the first non-trivial words of the respective document resulting from header-stripping the document.

24.   (Original)   A stream-based operating system as in claim 16 in which said display of a

glance view comprises important words, pictures, and/or sounds of the respective document resulting from complex analysis of the document.

25. (Original)   A document stream operating system utilizing subsystems from another operating system running a computer, comprising: a document organizing facility associating chronological indicators with documents received from diverse applications in diverse formats and creating information specifying glance views of the respective documents and information specifying document representations of respective documents; a display facility displaying at least selected ones of said document representations as a receding, foreshortened stack of partly overlapping document representations such that only a part each document representation except the first one in the displayed stack is visible to a user; said display facility further displaying a cursor or pointer and responding to a user sliding without clicking the cursor or pointer over said displayed stack of document representations to display the glance view of the document whose document representation is currently touched by the cursor; and said document stream operating system utilizing subsystems from said another operating system for operations including writing documents to storage media, interrupt handling and input/output.

26. (Original)   A document operating system as in claim 25 in which said document organizing facility associates said chronological indicators with documents at the time of receipt or creation of said documents without requiring a user to name the documents.

27. (Original)   A stream-based operating system as in claim 25 in which said another operating system is a Windows operating system.

28. (Original)   A stream-based operating system as in claim 25 in which said another operating systems is an Apple operating system.

29. (Original)   A stream-based operating system as in claim 25 in which said display of said glance view comprises an abbreviated version of the respective document.

30. (Original)   A stream-based operating system as in claim 25 in which said display of a

glance view comprises the first non-trivial words of the respective document resulting from header-stripping the document.

31.   (Original)   A stream-based operating system as in claim 25 in which said display of a glance view comprises important words, pictures, and/or sounds of the respective document resulting from complex analysis of the document.

32.   (Original)   A method of displaying heterogenous documents from different applications in a receding, foreshortened stack of selected document representations of said documents and providing a set of commands applicable to the document representations in the stack, comprising: first displaying document representations of said documents received from different applications as a receding, foreshortened stack of partly overlapping document representations such that only a part of each of most document representations in the displayed stack is visible to the user; said stack being in a time order related to respective time-based indicators automatically associated with the documents at the time of receipt or creation thereof; subsequently, while displaying the stack of document representations, responding automatically to touching a document representation in the stack with a user-operated cursor or pointer, without further action by the user, to display separately from the displayed stack of document representations, a glance view of the document whose document representation is currently touched by the cursor or pointer, said glance view being displayed while the displayed stack of document representations remains visible; and concurrently with displaying said glance view, displaying in the same display a set of command buttons, said command buttons being responsive to user clicks to cause respective operations to be performed on the document whose glance view is displayed at the time.

33.   (Original)   A method as in claim 32 in which said displaying of document representations comprises displaying at least the top line of each document whose document representation is displayed in the stack.

34.   (Original)   A method as in claim 32 including visually identifying attributes of selected documents in the displayed stack of document representations by markings that are

visible in the displayed stack, each marking being common to a class of documents.

35.   (Original)   A method as in claim 34 in which said markings comprise coloring of visible portions of selected document representations in the stack.

36.   (Original)   A method as in claim 35 in which said coloring comprises providing selected document representations in the displayed stack with borders of at least one selected color.

37.   (Original)   A stream-based operating system as in claim 32 in which said display of said glance view comprises an abbreviated version of the respective document.

38.   (Original)   A stream-based operating system as in claim 32 in which said display of a glance view comprises the first non-trivial words of the respective document resulting from header-stripping the document.

39.   (Original)   A stream-based operating system as in claim 32 in which said display of a glance view comprises important words, pictures, and/or sounds of the respective document resulting from complex analysis of the document.

40.   (Amended)   A method as in claim 32 including:

   providing a computer system with documents from diverse applications in respective formats unique to the respective applications;

   causing the computer system to automatically, without user interaction and without requiring a user to designate directory structures or other pre-imposed document categorizations, create a main stream of the provided documents;

   said main stream being unbounded and accommodating documents associated with past, present and future times;

   said main stream being maintained and being selectively retrievable and searchable by the computer system;

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said computer system maintaining the main stream live and responsive to subsequent

events by automatically incorporating therein new documents as provided to the

computer system while maintaining a time order of the documents in the stream

providing selected search criteria;

causing said computer system to create a substream based on the provided search criteria;

further causing said computer system to maintain said substream live and responsive to

subsequent events by automatically incorporating therein new documents

provided to the computer system that meet the search criteria;

selecting said main-stream or said substream for display of document representations

thereof as said receding, foreshortened stack of document representations.

41. (New) The system of claim 16 wherein

said document display facility further displaying the at least selected ones of said

document representations as a sequence of overlapping document representations,

and

said document display facility further displaying one or more additional ones of said

document representations as part of the same sequence of overlapping document

representations in response to a user selecting through a user interface element the

one or more additional document representations.

42. (New) The system of claim 41 wherein the user interface element is a scroll bar.

43. (New) The system of claim 42 wherein the scroll bar is operable by the user to select for

display a segment of the sequence of document representations.

44. (New) The system of claim 41 wherein said document display facility comprises a scroll

bar, said scroll bar operable by the user to select for display a segment of the sequence of

document representations.

45.   (New) The system of claim 41 wherein the sequence of overlapping document

representations is displayed using perspective to create the illusion of increasing distance

from a viewpoint implied by the displayed document representations.

46.   (New) The system of claim 16 further comprising

a search facility operable to identify documents among the received or created documents

based on search criteria;

wherein said displayed selected ones of said document representations are document

representations for some, but not all, of a set of documents identified by the

search facility in response to specific search criteria; and

said document display facility further displaying document representations for one or

more additional ones of the documents in the set in response to a user selecting

through a user interface element the one or more additional document

representations.

47.   (New) The system of claim 46 wherein said document display facility further displaying

the selected ones of said document representations as a sequence of overlapping

document representations.

48.   (New) The system of claim 47 wherein the user interface element is a scroll bar.

49.   (New) The system of claim 48 wherein the scroll bar is operable by the user to select for

display a segment of the sequence of document representations.

50.   (New) The system of claim 46 wherein said document display facility comprises a scroll

bar, said scroll bar operable by the user to select for display a segment of the sequence of

document representations.

51.   (New) The system of claim 47 wherein the sequence of overlapping document

representations is displayed using perspective to create the illusion of increasing distance

from a viewpoint implied by the displayed document representations.

52.   (New) The system of claim 25 wherein
       said document display facility further displaying one or more additional ones of said
              document representations as part of the same stack of overlapping document
              representations in response to a user selecting through a user interface element the
              one or more additional document representations.

53.   (New) The system of claim 52 wherein the user interface element is a scroll bar.

54.   (New) The system of claim 53 wherein the scroll bar is operable by the user to select for
       display a segment of the document representations.

55.   (New) The system of claim 52 wherein said document display facility comprises a scroll
       bar, said scroll bar operable by the user to select for display a segment of thedocument
       representations.

56.   (New) The system of claim 25 further comprising
       a search facility operable to identify documents among the received or created documents
              based on search criteria;
       wherein said selected ones of said document representations are document
              representations for some, but not all, of a set of documents identified by the
              search facility in response to specific search criteria;
       said document display facility further displaying document representations for one or
              more additional ones of said documents in the set in response to a user selecting
              through a user interface element the one or more additional document
              representations.

57.   (New) The system of claim 56 wherein the user interface element is a scroll bar.

58.   (New) The system of claim 57 wherein the scroll bar is operable by the user to select for display a segment of the document representations.

59.   (New) The system of claim 56 wherein said document display facility comprises a scroll bar, said scroll bar operable by the user to select for dispplay a segment of the document representations.

60.   (New) The method of claim 32 further comprising

displaying one or more other document representations as part of the same stack of overlapping document representations in response to a user selecting through a user interface element the one or more additional ones of said document representations.

61.   (New) The method of claim 60 wherein the user interface element is a scroll bar.

62.   (New) The method of claim 61 wherein the scroll bar is operable by the user to select for display a segment of said document representations.

63.   (New) The method of claim 60 wherein said user interface element comprises a scroll bar operable by the user to select a segment of said document representations.

64.   (New) The method of claim 32 further comprising

identifying a set of documents among the received or created documents based on search criteria provided by the user;

displaying document representations for some, but not all, of the set of documents identified in response to the search criteria; and

further displaying document representations for one or more additional ones of the documents in the set in response to a user selecting through a user interface element the one or more additional document representations.

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65.   (New) The method of claim 64 wherein the user interface element is a scroll bar.

66.   (New) The method of claim 65 wherein the scroll bar is operable by the user to select a segment of said document representations.

67.   (New) The system of claim 16 wherein the sequence of overlapping document representations is displayed using perspective to create the illusion of increasing distance from a viewpoint implied by the displayed document representations.

68.   (New) The system of claim 16 wherein the at least selected ones of said document representations includes at least one document representation for a document associated with a future time.

69.   (New) The system of claim 25 wherein the at least selected ones of said document representations includes at least one document representation for a document associated with a future time.

70.   (New) The method of claim 32 wherein the displayed stack of document representations includes at least one document representation for a document associated with a future time.

71.   (New) The system of claim 1 further comprising an index of the contents of documents for use in the selective retrieval of archived documents.

72.   (New) The system of claim 8 further comprising an index of the contents of documents for use in the selective retrieval of archived documents.

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REMARKS

This supplement is filed within the two-month response period specified in the Office Action dated September 28, 2009. Claims 1-39 are original patent claims. Claim 40 is a dependent claim added by the previous amendment. Claims 41-72 are dependent claims added by this amendment.

Following a review of the Amendment filed on October 28, 2009, the patentee provides further comments regarding the terms (i) "archiving the documents and indicators in consistent format for selective retrieval" recited in independent claims 1 and 8, (ii) "complex analysis" recited in dependent claims 7, 15, 24, 31, and 39, and (iii) the display facility "displaying at least selected ones of said document representations, recited independent claims 1, 8, 16 and 25, (iv) "stream-based operating system," and "document stream operating system" recited claims 1 and 25, respectively, and (v) "receding, foreshortened stack" recited in claims 1, 25 and 32.

As an initial matter, patentee would like to note that certain claim terms relevant to this response should be construed as follows:

The term *"stream,"* as recited, *e.g.,* in claims 1 and 25, means *a time-ordered collection of data units, or documents, unbounded in number, in which the time associated with a data unit can be in the past, present or future, and the location of file storage is transparent to the user.* Support for this construction can be found in the following places (as well as other places):

- '427 patent at, *e.g.,* col. 3, line 66-col. 4, line 2, which states that "[t]his invention is a new model and system for managing personal electronic information which uses a *time-ordered* stream as a storage model";

- '427 patent at, *e.g.,* col. 5, lines 20-21 ("A substream, in other words, is a "subset" of the main stream *document collection."*); col. 6, lines 12-14 ("Each view of a stream is implemented as a client of the server and provides the user with a 'viewpoint' interface to *document collections, that is, streams."); see also* File History of U.S. Patent No. 6,006,227 (a parent of the '427 patent), Office Action dated 11/03/98 ("However, in the instant claims, it is assumed that any data stream of interest determines a closed system, and the *collection* of 'each data unit received' *defines the stream* and vice versa.");

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- '427 patent at, *e.g.*, col. 4, lines 11-24 ("Every document created and every document send [sic] to a person or entity is stored in a main stream. The tail of a stream contains documents from the *past*, for example starting with an electronic birth certificate or articles of incorporation. Moving away from the tail and toward the *present* and *future*, that is, toward head of the stream more recent documents are found including papers in progress or new electronic mail.... Moving beyond the *present* and into the *future*, the stream contains documents allotted to *future* times and events, such as, reminders, calendar items and to-do lists.);

'427 patent at, *e.g.*, col. 2, lines 26-28 ("An additional object of the present invention is to provide an operating system in which the location and nature of file storage is *transparent to the user* ..."); and

- '427 patent, col. 4, lines 11-13 (stating that "[e]very document created and every document send to a person or entity is stored in a main stream," which is thus unbounded in number; *see also,* col. 4, lines 61-62 (describing a substream as generated from all document in the main stream, and thus also unbounded).

The terms "*stream-based operating system*" and "*document stream operating system*," as recited in claims 1 and 25, respectively, means *an operating system that includes support for streams.* Support for this construction can be found, for example, in the '427 patent at col. 1, lines 1-3 and lines 10-17; col. 2, lines 19-22; and col. 14, lines 1-7 and 40-53.

The term "*receding, foreshortened stack,*" as recited in claims 1, 25 and 32 means *a representation of a stack that uses perspective to create the illusion of increasing distance from the viewpoint implied by the image.* Support for this construction is found in the commonly understood meaning of terms "receding" and "foreshortened." For example, the Random House Webster's Unabridged Dictionary, Second Edition, 2001 defines "foreshorten" as "to reduce or distort (parts of a represented object that are not parallel to the picture plane) in order to convey the illusion of three-dimensional space as perceived by the human eye: often done according to the rules of perspective"; and "recede" as "(of a color, form, etc. on a flat surface) to move away or be perceived as moving away from an observer, esp. as giving the illusion of space." Similarly, the American Heritage College Dictionary, Third Edition, 1993 defines "foreshorten" as "[t]o shorten the lines of (an object) in a drawing or other representation so as to

produce an illusion of projection or extension in space" and "recede" as "[t]o become or seem to become fainter or more distant."

The term "**archiving the documents and indicators in consistent format for selective retrieval**" means *archiving documents and indicators in a consistent format that enables uniform selective retrieval of the documents.* That term is addressed further below.

The term "**complex analysis**" means *analysis involving the form, content and/or type of a document.* Support for this construction can be found, for example, in the '427 patent at col 8, lines 11-15 (contrasting "complex analysis" with simple operations, such as "header stripping" to display the "first non-trivial words in a document.").

1.   **The applied references do not teach "*archiving the documents and indicators in consistent format for selective retrieval*," as recited in claims 1 and 8.**

With respect to claims 1 and 8, the patentee submits that Retrospect does not archive documents in a "consistent format for selective retrieval," as recited in claims 1 and 8. That limitation refers to maintaining, in a consistent format, information about the archived documents, including information about the content of those documents, so that the documents can later be selectively retrieved. Retrospect does not disclose such a feature. Instead, it permits users to locate files based only on their filename or folder, not, for example, their content.

Also, patentee would like to clarify that it is the information about the documents that are in a consistent format—not the documents themselves. For example, a document containing audio data would not have the same format as an email. The information about the documents would, of course, also identify the corresponding document and, thus, the information about the documents, together with the documents themselves, are, in that sense, stored in a consistent format. The prior Amendment, dated October 28, 2009, should not be read to suggest that the documents themselves are in a consistent format (such as a file containing audio data being in the same format as an email).

2.   **The applied references do not teach displaying a glance view "*resulting from complex analysis*," as recited in dependent claims 7, 15, 24, 31, and 39.**

With respect to dependent claims 7, 15, 24, 31, and 39, Applicants wish to clarify that displaying a miniature of the first page of a document may, in fact, involve displaying "important words, pictures, and/or sounds of the ... document resulting from complex analysis," as recited in those claims. Whether complex analysis is required depends on whether such words, pictures

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and/or sounds can be displayed using non-complex techniques—such as header stripping to display the first non-trivial words in a document. (*See* '427, col. 8, lines 11-15). As recited in those claims, it is the operating system that performs the complex analysis. In contrast, while Mander describes displaying a proxy that is a miniature of the first page of document, if displaying such a miniature requires complex analysis, Mander uses the application program that *"created the document"* to create the proxy—not the operating system, or a utility that is considered part of or associated with the operating system. (*See* Mander, col. 10, line 55-col. 11, line 2 (emphasis added).

> 3. **The applied references do not teach a "display facility" that displays *"at least selected ones of said document representations,"* as recited in claims 1, 8, 16 and 25.**

With respect to claims 1, 8, 16 and 25, the "display facility" displays "at least selected ones of said document representations." This feature can be seen, for example, in Fig. 1 of the '427 Patent, in which a selected subset of the documents in a stream are displayed. The selection is accomplished, for example, using scroll bar 20 in the lower left portion of Fig. 1. (*See, e.g.,* '427 patent, col. 6, lines 34-46; *see also,* col. 9, line 53-col. 10, line 2). In this particular example, the scroll bar is used to select for display a segment of the document representations in the entire sequence of document representations in the graphical view of the stream. The claimed display facility is thus capable of displaying a sequence of a large number of document representations, since only a segment of that sequence need be displayed at any one time.

No such display facility is provided in Mander. To the contrary, in Mander, a pile is displayed in its entirety—no mechanism is provided for displaying only a user-selected portion of a pile, while other portions of the pile are not displayed. Indeed, Mander teaches away from such a feature—explaining that piles and all other items on the desktop "remain visible" so that the user can "maintain the context." *See, e.g.,* '724 patent, col. 13, lines 23-33. Indeed, Mander, distinguishes its piles system, in which the piles remain visible, from prior computer systems on the basis that "prior computer systems ... have subdirectory 'containers' such as folders which might disappear or be obscured from view when the container is opened to view the contents of the container." *See* '724 patent, col. 13, lines 25-28. A piles system would thus display all document representations, not selected ones. And, again, there is no description of displaying a

portion of a pile, while other portions might disappear or be obscured from view—in fact, Mander states that an advantage of piles over the prior art is that that would not occur.

Accordingly, Claims 1, 8, 16 and 25 are patentable over Mander on the above basis.

4.   The applied references do not teach a *"stream-based operating stream"* or a *"document stream operating system,"* as recited in claims 1 and 25.

As explained above, a "stream-based operating system" and a "document stream operating system" are operating systems that include support for "streams." As also explained above, a stream is a *time-ordered collection of data units, or documents, unbounded in number, in which the time associated with a data unit can be in the past, present or future, and the location of file storage is transparent to the user.*

Mander does not disclose streams, as required by claims 1 and 25. Again, Mander does not describe an underlying time-ordered collection of documents. Instead, Mander relates only to piles, which again are substitutes for conventional folders and subdirectories. In addition, the documents in a pile plainly cannot be unbounded in number because they would then overwhelm the available screen space. Further, Mander does not provide for or disclose including future documents in piles. Lastly, the Mander piles are not a system in which the location of file storage is transparent to the user—indeed, the piles are again, simply a new form of subdirectory, which require the user to know where specific documents are located.

5.   The applied references do not teach a *"receding, foreshortened stack,"* as recited in claims 1, 25 and 32.

As explained above, a "receding, foreshortened stack" is *a representation of a stack that uses perspective to create the illusion of increasing distance from the viewpoint implied by the image.* Again, Mander does not disclose such a stack. The piles in Mander certainly do not create an illusion of increasing distance from the viewpoint implied by the image of a pile. Indeed, piles are vertical stacks in which all the documents in the stack appear equally close to the viewer—piles certainly do not recede in any way.

6.   Other differences between the applied references and the claims.

Patentee also submits that Mander does not disclose (i) displaying a glance view of a document representation that is touched by the cursor or pointer, as recited in claims 1, 8, 16, 25 and 32; (ii) displaying at least the top line of each document displayed in the stack, as recited in

claim 33, and (iii) displaying "markings," as recited in claim 34, for the reasons given in the October 28, 2009 Amendment.

7.   New Claims.

New claims 41-70 depend directly or indirectly from claims 16, 25 or 32. It is submitted that those claims are supported by the original patent disclosure, including '427, col. 4, lines 16-24, col. 6, lines 30-36, col. 9, line 53-col. 10, line 2, col. 14, lines 11-16, and Fig. 1 and related description.

New claims 71 and 72 depend from claims 1 and 8, respectively. Support for those claims can be found in the '427 patent at, for example, col. 14, lines 7-12.

If a petition for an extension of time is required to make this response timely, this paper should be considered to be such a petition. The Patent Office is hereby authorized to charge any fees that are required in connection with this amendment and to credit any overpayment to our Deposit Account No. 03-3125.

Respectfully submitted,

_____
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