

tion for the various reasons described above. For example, add/remove from dictionary tasks may be displayed, activated, and/or deactivated, as appropriate, based on user made corrections and the re-recognition results. Available alternative language dictionaries may be displayed, activated, and/or deactivated based on changes to the designated language.

[0107] The correction interface (e.g., like interface 520), when present, may take on any desired form and appear at any desired location without departing from the invention. For example, in at least some examples of the invention, the interface may appear near or adjacent either the ink or machine-generated text word or character string being selected. The interface may appear as a pop-up window or the like that overlays the original electronic ink document.

[0108] While the specific examples of the invention described above are optimized for processing electronic ink data and machine-generated text in the form of conventional English and other Latin-based words, characters, and text (e.g., read left to right and top to bottom), the invention is not limited to use on those types of languages and on that type of electronic ink data and machine-generated text. Those skilled in the art will recognize that aspects of this invention can be applied to any type of electronic ink data and/or machine-generated objects, including handwritten text or characters in any language and written or read in any direction without departing from the invention. Additionally, aspects of this invention can be applied to recognition and processing of other types of data and machine-generated objects without departing from the invention, such as data and elements in charts, diagrams, graphs, flowcharts, etc.; musical data or symbols; mathematical or scientific data or symbols; drawings; speech; etc.

[0109] Also, in accordance with at least some examples of the invention, personalization or customization information may be stored with respect to certain ink, speech, or other input. For example, certain pen gestures, words, or phrases could be designated as corresponding to predetermined input data, and this input data may be stored or accessed through the supporting data structure. As a more specific example, speaking or writing the words "sincerely, et al.," may be defined in the system as a request to input certain predetermined information (such as a signature block for a letter), and data stored in the supporting data structure associated with this spoken or written phrase may contain, point to, or otherwise provide access to the desired closing information and data. Customization and personalization information also can be developed and recognized by the system as a result of repeated user made changes or corrections without departing from the invention.

[0110] Finally, the present invention also relates to computer-readable media including computer-executable instructions stored thereon for providing correction interfaces, for performing various methods, and/or for use in various systems, including the correction interfaces, systems, and/or methods described above. The computer-readable media may constitute computer-executable instructions stored on the various specific examples of computer-readable media described above.

## V. CONCLUSION

[0111] Various examples of the present invention have been described above, and it will be understood by those of

ordinary skill that the present invention includes within its scope all combinations and subcombinations of these examples. Additionally, those skilled in the art will recognize that the above examples simply exemplify various aspects of the invention. The various specific steps and/or architectural elements described above can be changed, functions may be added, deleted, combined, and/or changed in order without departing from the invention. Thus, various changes and modifications may be made without departing from the spirit and scope of the invention, as defined in the appended claims.

## Claims:

### 1. A method, comprising:

maintaining an electronic document, wherein at least a first portion of content in the electronic document includes content generated by a recognizer;

storing data associated with the first portion of the content, wherein the data is stored in a data structure that includes information not included in the electronic document;

receiving input selecting the first portion of the content; and

providing at least one selectable alternative for the first portion of the content based at least in part on the data associated with the first portion.

### 2. A method according to claim 1, further comprising:

changing the content of the electronic document when one of the selectable alternatives is selected.

3. A method according to claim 1, wherein the first portion of the content is provided by a handwriting recognizer.

4. A method according to claim 3, wherein the data associated with the first portion of the content includes one or more potential alternative characters, words, or character strings identified by the handwriting recognizer.

5. A method according to claim 1, wherein the data associated with the first portion of the content includes an expanded version of the electronic document separate from the electronic document, and wherein the data associated with the first portion of the content includes properties associated with the first portion of the content that are not included in the electronic document.

6. A method according to claim 1, wherein the first portion of the content includes a word, character, or character string generated by a handwriting recognizer, and the data associated with the first portion of the content includes one or more potential alternative words, characters, or character strings generated by the handwriting recognizer.

### 7. A method according to claim 1, further comprising:

receiving input including a change to the content of the electronic document; and

changing the stored data associated with the first portion of the content, if necessary, based on the change to the content of the electronic document.

### 8. A method according to claim 1, further comprising:

receiving input changing the stored data associated with the first portion of the content of the electronic document; and