

[0093] The present invention is not limited to the foregoing examples. For example, the described e-reading devices are not restricted to documents in a particular language and may be employed with languages with, for example, a different script reading and page turning direction, such as Arabic. Aspects of the present invention include all novel and inventive aspects of the concepts described herein and all novel and inventive combinations of the features described herein.

[0094] The applicant hereby discloses in isolation each individual feature described herein and any combination of two or more such features, to the extent that such features or combinations are capable of being carried out based on the present specification as a whole in the light of the common general knowledge of a person skilled in the art, irrespective of whether such features or combinations of features solve any problems disclosed herein, and without limitation to the scope of the claims. The applicant indicates that aspects of the present invention may consist of any such individual feature or combination of features. In view of the foregoing description it will be evident to a person skilled in the art that various modifications may be made within the scope of the invention.

1. An electronic document reading device, the device comprising:

- an electronic page having at least one display surface;
- a page support, said page being attached to said page support such that said page is physically turnable;
- a memory to store at least part of a document to be read;
- a page driver coupled to said memory, to drive said page display surface to display a first stored portion of said document;

- a sensing system to sense turning of said page; and
- an update control system coupled to said sensing system to control update of said display surface with a second stored portion of said document responsive to sensing of said page turning; and

wherein said update control system is configured to control said updating such that said updating is at least partially hidden from a viewpoint of a user of the device.

2. An electronic document reading device as claimed in claim 1 comprising two electronic pages each attached to said page support.

3. An electronic document reading device as claimed in claim 2 wherein said sensing system is configured to sense substantial completion of said page turning such that one of said pages lies substantially behind the other, and wherein said update control system is configured to control update of said page lying behind responsive to sensing of said substantially complete page turning.

4. An electronic document reading device as claimed in claim 1, wherein said electronic page has two said display surfaces on opposite sides of said page to thereby provide a double-sided electronic page.

5. An electronic document reading device as claimed in claim 4 wherein said sensing system is configured to sense turning of said double-sided electronic page through an angle of at least 100°, said turning converting a viewable display surface of a said double-sided page into a substantially hidden display surface of said page, and wherein said update control system is configured to control update of said substantially hidden display surface responsive to said turning sensing.

6. An electronic document reading device as claimed in claim 1 comprising two said electronic pages each attached to

said page support, and wherein said sensing system is configured to sense a relative turning of one page with respect to the other.

7. An electronic document reading device as claimed in claim 1 comprising two said electronic pages, and wherein said page support comprises first and second page mounts configured to enable rotation of one said mount with respect to the other, each mount mounting a said page.

8. An electronic document reading device as claimed in claim 7 wherein said sensing system is configured to sense said rotation.

9. An electronic document reading device as claimed in claim 7 wherein each said mount includes electronics associated with said page mounted on said mount, and further comprising a flexible electrical interconnect linking said electronics in said respective mounts, and wherein said interconnect is configured to allow relative rotation of said mounts by at least 300°.

10. An electronic document reading device as claimed in claim 7, wherein a said page is detachable.

11. An electronic document reading device as claimed in claim 10 wherein a display on said display surface of said detached page is non-volatile.

12. An electronic document reading device as claimed in claim 1 wherein said page support comprises at least one user control, in particular a wheel.

13. An electronic document reading device as claimed in claim 1 wherein said page support contains active electronic components to drive said page display surface.

14. An electronic document reading device as claimed in claim 1 wherein said display surface comprises an electrophoretic display.

15. An electronic document reading device as claimed in claim 1 wherein said page comprises a flexible page.

16. An electronic document reading device as claimed in claim 1 wherein one or more rigid electronic components of one or more of said memory, page driver, sensing system and update control system are integrated into said page support.

17. An electronic document reading device as claimed in claim 1 wherein said page has a touch sensitive screen.

18. An electronic document reading device as claimed in claim 1 wherein said page includes a sensor to sense a bending force on a corner of the page, and wherein said reading device further comprises a bookmarking system to bookmark a location in a displayed document responsive to detection of said bending force.

19. An electronic document reading device as claimed in claim 1 further comprising an interface to a docking station, and configured to perform one or both of uploading a said document and recharging an internal power source when interfaced to said docking station.

20. A detachable electronic page for an electronic document reading device, said electronic page having an electrical interface for interfacing with said reading device and a connecting portion for detachable coupling with said reading device.

21. A detachable electronic page as claimed in claim 20 wherein said page has a display surface comprising an electrophoretic display, and wherein said page lacks an internal power supply.

22. A detachable electronic page as claimed in claim 20 wherein said page is flexible.

23. An electronic document reading device, the device including at least one electronic page having a display, and