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[Continued on next page]

(54) Title: ELECTRONIC ORNAMENTATION FOR EYEWEAR

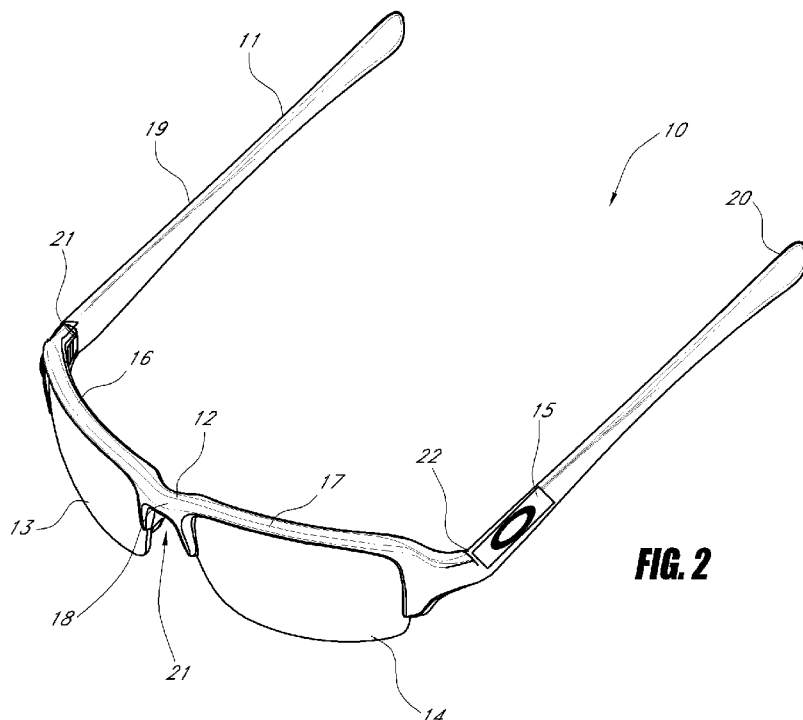


FIG. 2

(57) Abstract: Systems and methods of displaying an image on an E-Paper display insert in eyeglasses or other brittle structures are disclosed. E-Paper displays provide a changeable medium where an image such as a logo may be displayed and maintained with little to no energy. The E-Paper display may be changeable by emitting a charge from a source such as a battery or an electrically connected docking system.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G09G 5/00; G02C 11/00 (2014.01) USPC - 345/8; 359/630, 13 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) Classification(s): G09G 5/00; G02C 11/00 (2014.01) USPC Classification(s): 345/8; 359/630, 13; CPC Classification(s): G02B 27/017, 014, 0172 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEExplore; Google/Google Scholar; glasses, eyewear, eye wear, heads up display, HUD, e-paper, e-ink, logo, micro USB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US2012/0212414 A1 (OUSTERHOUST, R et al.) 23 August 2012; figures 1, 68, 85; paragraphs [0071], [0222], [0234], [0315], [0316], [0365], [0415], [0559], [0740].	1-6, 8-11, 13-21 ----- 7, 12
Y	US 2012/0169854 A1 (SEO, J et al.) 05 July 2012; paragraph [0184].	7
Y	US 2011/0273906 A1 (NICHOL, A et al.) 10 November 2011; paragraphs [0472], [0552].	12
A	US 2008/0198324 A1 (FUZIAK, R) 21 August 2008; entire document.	1-21
A	Star Trek Deep Space Nine, "A Time to Stand"; 29 September 1997 [retrieved on 23 July 2014]. Retrieved from the Internet: <URL: http://www.cbs.com/shows/star_trek_deep_space_nine/video/O6sNiuXkHru5xXgETAISgA3YAgujVLu/a-time-to-stand/ >; minute marks 27:54, 33:17.	1-21
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 23 July 2014 (23.07.2014)		Date of mailing of the international search report 02 JAN 2015
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Group I: Claims 1-21; Group II: Claim 22; Group III: Claim 23

-***-Please see Supplemental Page-***-

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-21

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

-Continued from Box No. III - Observations where unity of invention is lacking-

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fee must be paid.

Group I: Claims 1-21 are directed toward an eyewear system comprising a user-configurable display positioned outside of a wearer's field of view when worn.

Group II: Claim 22 is directed towards an eyewear system storing electrical energy.

Group III: Claim 23 is directed towards an eyewear system comprising a configuration to mount a display.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical features of Group I include a user-configurable display positioned outside of a wearer's field of view when worn; and a user-configurable display configured to display a design selected by a user, which are not present in Groups II-III.

The special technical feature of Group II includes storing electrical energy outside of a support, wherein the electrical energy is used to create a display image, which is not present in Groups I and III.

The special technical feature of Group III includes mounting an outside surface of a display flush with an outside surface of a first ear stem extending from a lens holder, which is not present in Groups I-II.

The common technical feature shared by Groups I-III is an eyewear system, comprising: at least one lens; a support configured to support at least one lens in a wearer's field of view when worn; and a display supported by a support.

However, this common feature is previously disclosed by US 2008/0198324 A1 (FUZIAK). Fuziak discloses an eyewear system (eyeglasses 10; Figure 1A), comprising: at least one lens (conventional lens 14a; Figure 1A and paragraph [0021]); a support configured to support at least one lens in a wearer's field of view when worn (frame member 12 (support) retains the conventional lens 14a, which may be prescription lenses, sun-protection lenses, and the like; Figure 1A and paragraph [0021]); and a display supported by a support (video display 50 is supported by telescoping arms 32a and 32b; Figure 1A and paragraphs [0022]-[0023]).

Since the common technical feature is previously disclosed by the Fuziak reference, this common feature is not special and so Groups I-III lack unity.