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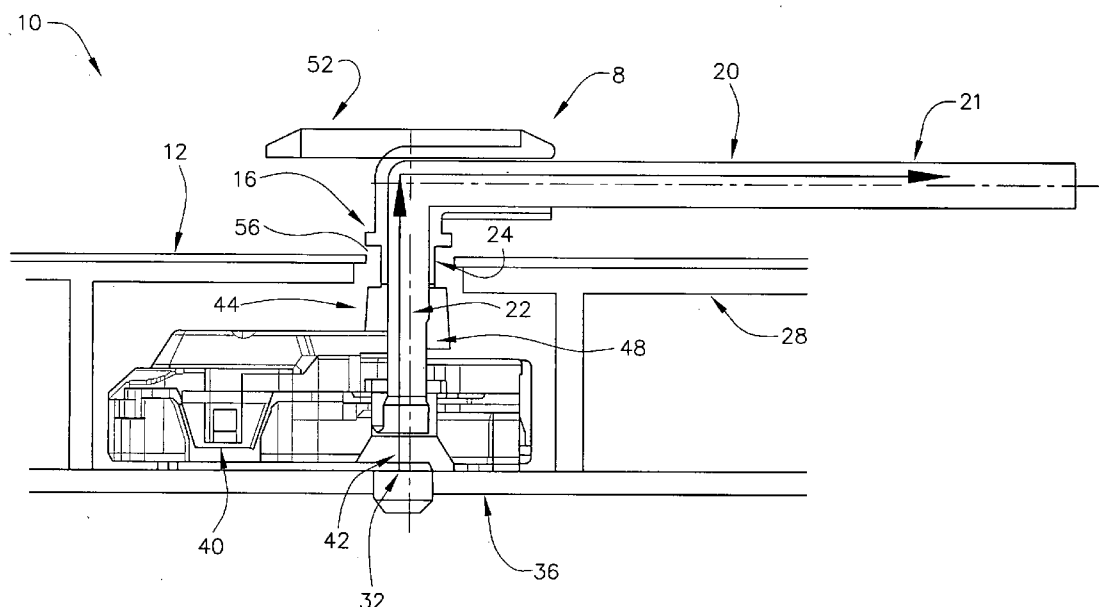
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(57) Abstract: The application relates to a display comprising a pointer (20) configured to be illuminated by the light source and a graphic surface (12) for cooperation with the pointer (20). In order to reduce an amount of light transmitted from the pointer to the graphic surface (12) a sleeve (24) is provided around the pointer (20). This reduces the halo effect. As alternative or in addition, a cap (52) may be provided. The display may be used in vehicles or buildings.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/024240

A. CLASSIFICATION OF SUBJECT MATTER
INV. B60K37/00 B60K37/02

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)
B60K

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 181 301 B1 (INOUCHI KAZUHIRO [JP] ET AL) 30 January 2001 (2001-01-30) column 7, lines 3-25; figure 8 -----	1,2,6, 16-19 14,15
X A	DE 101 26 712 A1 (SIEMENS AG [DE]) 4 July 2002 (2002-07-04) the whole document -----	1,2,6, 16-19 14,15
A	DE 102 25 946 A1 (BORG INSTR AG [DE]) 24 December 2003 (2003-12-24) the whole document -----	1,2

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* 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 document 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

7 April 2008

Date of mailing of the international search report

21/07/2008

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 20

The claim includes no technical features, but a definition by the result to be achieved "substantially no halo".

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2)PCT declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/024240

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.: 20
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an 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 reportcovers 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, 2, 6, 14-19

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,6,14-19

the sleeve (e.g. Fig. 1)

2. claims: 3,21,22,53

the cap (e.g. Fig. 3)

3. claims: 4,5,7-13

the motor (e.g. Fig. 79)

4. claims: 23-30, 43-48

the pointer I (design of the pointer, e.g. Fig. 43, 48)

5. claims: 31,32,37

the body (e.g. Fig. 37)

6. claims: 33-36

the light guide, in particular with a display surface
between the pointer and the light guide, cf. claim 34

7. claims: 38-42

the pointer II (providing illumination to markings, e.g.
Fig. 27)

8. claims: 49-51

the pointer III (plurality of separately controlled
pointers, e.g. Fig. 71)

9. claims: 52,54

the pointer IV (partially hidden, e.g. Fig. 61)

10. claims: 55-57

the pointer V (lighting features, e.g. Fig. 73)

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

11. claims: 58,59

the pointer VI (with display, e.g. Fig. 52)

12. claims: 60-62

the gauge (e.g. Fig. 56)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/024240

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6181301	B1	30-01-2001	DE 19732156 A1	29-01-1998
			JP 3189736 B2	16-07-2001
			JP 10091076 A	10-04-1998
DE 10126712	A1	04-07-2002	NONE	
DE 10225946	A1	24-12-2003	EP 1371522 A2	17-12-2003