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[Continued on next page]

(54) Title: SAW SENSOR ARRANGEMENTS

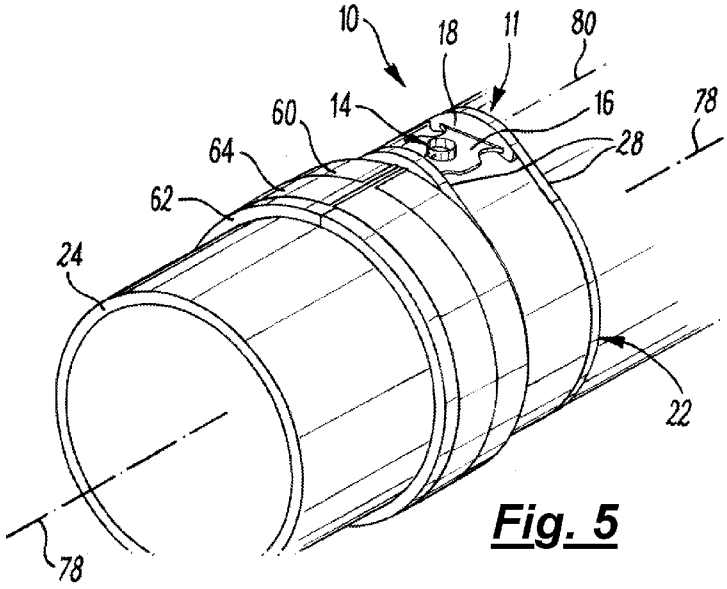


Fig. 5

(57) Abstract: An SAW sensor arrangement(10)includes a transducer (11), the transducer (11)including a support (12)for supporting an SAW device(14). The support(12)includes a sensor location part (16)located between two oppositely extending attachment parts(18). The SAW device (14) is mountable to the sensor location part(16). The sensor arrangement (10) includes at least two spaced friction raisers(20). The sensor arrangement (10) includes a clamp arrangement (22) which applies a clamping force to clamp the sensor arrangement (10) to an item(24). The sensor arrangement (10) is arranged so that in use each of the friction raisers (20) is located between a different one of the attachment parts (18) and the item(24).

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Published:

— *with international search report (Art. 21(3))*

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(88) Date of publication of the international search report:
7 August 2014

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2013/053095

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01L1/16 G01L3/10
ADD.

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)
G01L

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)
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	WO 2004/027365 A1 (TRANSENSE TECHNOLOGIES PLC [GB]; LOHR RAYMOND DAVID [GB]; VILE DAVID D) 1 April 2004 (2004-04-01) abstract; figures 1,2,4 page 1 - page 2 page 6, lines 1-11	1-41
X	JP S59 60332 A (TOSHIBA KK) 6 April 1984 (1984-04-06) abstract; figures 1,3	1-4,7, 11,22, 26-32, 36-41
A	GB 2 116 330 A (BRITISH HOVERCRAFT CORP LTD) 21 September 1983 (1983-09-21) abstract; figure 1	1,5,6

☐ 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 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	Date of mailing of the international search report
6 June 2014	16/06/2014

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Mihai Vasile

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/GB2013/053095

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004027365 A1	01-04-2004	AU 2003269148 A1	08-04-2004
		CN 1682100 A	12-10-2005
		EP 1558903 A1	03-08-2005
		GB 2393521 A	31-03-2004
		JP 2005539230 A	22-12-2005
		US 2005268729 A1	08-12-2005
		WO 2004027365 A1	01-04-2004
JP S5960332 A	06-04-1984	NONE	
GB 2116330 A	21-09-1983	NONE	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2013/053095

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.: 42, 43
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:

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 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 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.:

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

Continuation of Box II.2

Claims Nos.: 42, 43

Claims 42 and 43 contain references to the drawings. According to Rule 6.2(a) PCT, claims should not contain such references and because of this manner of defining does not allow for the scope of the claim to be ascertained the skilled person would not be able to understand what would fall within the scope claimed.
The non-compliance with the substantive provisions is to such an extent that no meaningful search of Claims 42 and 43 could be carried out at all (Article 17(2) PCT).

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 Guidelines C-IV, 7.2), should the problems which led to the Article 17(2) declaration be overcome.