

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE2018/100706

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> <i>G01H 13/00</i> (2006.01)i; <i>H04B 1/00</i> (2006.01)i  According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) G01H; H04B  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		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TAIMUR AFTAB ET AL. "Ultrasonic Coupled Passive Wireless Oscillating Sensor System" <i>PROCEEDINGS</i> , Vol. 1, No. 4, 01 January 2017 (2017-01-01), page 574 DOI: 10.3390/proceedings1040574 XP055524772	1-6, 8-16
Y	the whole document	7
Y	REINDL L ET AL. "Theory and application of passive SAW radio transponders as sensors" <i>IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, IEEE, US</i> , Vol. 45, No. 5, 01 September 1998 (1998-09-01), pages 1281-1292 DOI: 10.1109/58.726455 ISSN: 0885-3010, XP011437821	7
A	figure 9	1-6, 8-16
A	BOCCARD JEAN-MICHEL ET AL. "High-Resolution, Far-Field, and Passive Temperature Sensing up to 700 [deg.]C Using an Isolated ZST Microwave Dielectric Resonator" <i>IEEE SENSORS JOURNAL, IEEE SERVICE CENTER, NEW YORK, NY, US</i> , Vol. 16, No. 3, 01 February 2016 (2016-02-01), pages 715-722, [retrieved on 2016-01-12] DOI: 10.1109/JSEN.2015.2487606 ISSN: 1530-437X, XP011591988 page 715, column 2	1-16
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> 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 <b>19 November 2018</b>		Date of mailing of the international search report <b>26 November 2018</b>
Name and mailing address of the ISA/EP <b>European Patent Office p.b. 5818, Patentlaan 2, 2280 HV Rijswijk Netherlands</b> Telephone No. (+31-70)340-2040 Facsimile No. (+31-70)340-3016		Authorized officer <b>Hippchen, Sabine</b>  Telephone No.

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A	AFTAB T ET AL. "A parallel plate dielectric resonator as a wireless passive strain sensor" <i>2015 IEEE SENSORS APPLICATIONS SYMPOSIUM (SAS), IEEE</i> , 13 April 2015 (2015-04-13), pages 1-6 DOI: 10.1109/SAS.2015.7133576 XP032788630 abstract page 1, column 1, paragraph "1. Introduction"	1-16