

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE2018/100706

**A. CLASSIFICATION OF SUBJECT MATTER****G01H 13/00**(2006.01)i; **H04B 1/00**(2006.01)i

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)

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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

 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

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Date of the actual completion of the international search

19 November 2018

Date of mailing of the international search report

26 November 2018

Name and mailing address of the ISA/EP

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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