

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/082209

A. CLASSIFICATION OF SUBJECT MATTER		
G01N 27/12(2006.01);		
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)		
G01N		
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	KOHLER H ET AL. "New applications of tin oxide gas sensors - I. Molecular identification by cyclic variation of the working temperature and numerical analysis of the signals" <i>SENSORS AND ACTUATORS B: CHEMICAL, ELSEVIER BV, NL</i> , Vol. 61, No. 1-3, 14 December 1999 (1999-12-14), pages 163-169 DOI: 10.1016/S0925-4005(99)00286-5 ISSN: 0925-4005, XP004185148 abstract page 164, column 2, line 2; figures 1, 3 section 2.1 section 3.1 section 3.2	1-7
A	DE 19639072 A1 (KOHLER HEINZ PROF DR [DE]) 12 March 1998 (1998-03-12) column 3, line 50 - column 7, line 62; figure 3	1-7
A	US 5889198 A (REITMEIER NORBERT [DE] ET AL) 30 March 1999 (1999-03-30) column 4, line 18 - column 4, line 36 column 5, line 1 - column 5, line 9 column 6, line 54 - column 6, line 67 column 7, line 28 - column 7, line 30	1-7
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" 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		Date of mailing of the international search report
21 January 2020		31 January 2020
Name and mailing address of the ISA/EP		Authorized officer
European Patent Office p.b. 5818, Patentlaan 2, 2280 HV Rijswijk Netherlands Telephone No. (+31-70)340-2040 Facsimile No. (+31-70)340-3016		Knoll, Stephan Telephone No.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006057550 A1 (TEXAS INSTRUMENTS HOLLAND [NL]; ARTURSSON TOM URBAN [NL] ET AL.) 01 June 2006 (2006-06-01) page 3, line 31 - page 6, line 22; figures 1, 2, 3	1,6,7

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
DE	19639072	A1	12 March 1998	AT	264503	T	15 April 2004
				DE	19639072	A1	12 March 1998
				EP	0829718	A1	18 March 1998
US	5889198	A	30 March 1999	DE	19618705	C1	23 October 1997
				EP	0806655	A2	12 November 1997
				JP	2960696	B2	12 October 1999
				JP	H1054816	A	24 February 1998
				US	5889198	A	30 March 1999
WO	2006057550	A1	01 June 2006	NONE			