

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/083522

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<i>G01P 1/02</i> (2006.01)i; <i>G01D 11/24</i> (2006.01)n; <i>G01H 11/00</i> (2006.01)n; <i>G01P 15/00</i> (2006.01)n		
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) G01P; G01H; G01D; G01M		
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	DE 102006035274 A1 (UNIV DRESDEN TECH [DE]) 14 February 2008 (2008-02-14)	1-3,5,6
Y	page 4, paragraph 29 - page 6, paragraph 40; figures 1-5	2,4-6
X	HUFENBACH W ET AL. "Mechanical behaviour of textile-reinforced thermoplastics with integrated sensor network components" <i>MATERIALS AND DESIGN, LONDON, GB</i> , Vol. 32, No. 10, 27 May 2011 (2011-05-27), pages 4931-4935, [retrieved on 2011-06-03] DOI: 10.1016/J.MATDES.2011.05.047 ISSN: 0261-3069, XP028250246	1-4,6
Y	the whole document	2,4-6
X	QUAGLI TOMMASO ET AL. "Integration of the PANDA Micro Vertex Detector strip barrel staves" <i>2015 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC), IEEE</i> , 31 October 2015 (2015-10-31), pages 1-5 DOI: 10.1109/NSSMIC.2015.7581888 XP032973768	1-3,5,6
Y	the whole document	2,4-6
<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 <b>04 February 2020</b>		Date of mailing of the international search report <b>11 February 2020</b>
Name and mailing address of the ISA/EP <b>European Patent Office</b> <b>p.b. 5818, Patentlaan 2, 2280 HV Rijswijk</b> <b>Netherlands</b> Telephone No. (+31-70)340-2040 Facsimile No. (+31-70)340-3016		Authorized officer <b>Springer, Oliver</b> 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	ANDREAS KUNADT ET AL. "Design and properties of a sensor network embedded in thin fiber-reinforced composites" <i>SENSORS, 2010 IEEE, IEEE, PISCATAWAY, NJ, USA,</i> 01 November 2010 (2010-11-01), pages 673-677 ISBN: 978-1-4244-8170-5. XP031851047	1-4
Y	the whole document	2,4-6
X	DE 102007014696 B3 (HPS HIGH PERFORMANCE SPACE STR [DE]) 09 October 2008 (2008-10-09)	1,3-5
Y	the whole document	2,4-6
X	WO 2018069066 A1 (BOSCH GMBH ROBERT [DE]) 19 April 2018 (2018-04-19) cited in the application	1,3
Y	page 5, line 4 - page 10, line 25; figures 1-3	2,4-6

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

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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 102006035274 A1	14 February 2008	NONE	
DE 102007014696 B3	09 October 2008	NONE	
WO 2018069066 A1	19 April 2018	CN 109844543 A	04 June 2019
		DE 102016220068 A1	19 April 2018
		EP 3526611 A1	21 August 2019
		WO 2018069066 A1	19 April 2018