

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/080352

A. CLASSIFICATION OF SUBJECT MATTER**G01N 15/02**(2006.01)i; **G01N 21/71**(2006.01)i; **G01N 15/06**(2006.01)i; **G01N 15/00**(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)

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	CA 2477390 A1 (CA NAT RESEARCH COUNCIL [CA]) 13 July 2005 (2005-07-13) paragraph [0001]; figures 1,7,8 paragraph [0013] - paragraph [0014] paragraph [0039] - paragraph [0046] paragraph [0099] - paragraph [0128]	1-10
X	US 2011228257 A1 (PUZINAUSKAS PAULIUS V [US] ET AL) 22 September 2011 (2011-09-22)	1,2,10
A	paragraph [0002]; figures 2-4 paragraph [0007] paragraph [0026] - paragraph [0051]	3-9
X	THILO LEHRE ET AL. "Size distributions of nanoscaled particles and gas temperatures from time-resolved laser-induced-incandescence measurements" <i>APPLIED OPTICS</i> , WASHINGTON, DC; US, Vol. 42, No. 12, 20 April 2003 (2003-04-20), page 2021 DOI: 10.1364/AO.42.002021 ISSN: 0003-6935, XP055663057	1,10
A	sections 1., 2. and 3B.; figures 4,5	2-9

 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

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"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

30 January 2020

Date of mailing of the international search report

11 February 2020

Name and mailing address of the ISA/EP

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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	NI T ET AL. "TWO-DIMENSIONAL IMAGING OF SOOT VOLUME FRACTION BY THE USE OF LASER-INDUCED INCANDESCENCE" <i>APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, DC; US</i> , Vol. 34, No. 30, 20 October 1995 (1995-10-20), pages 7083-7091 DOI: 10.1364/AO.34.007083 ISSN: 0003-6935, XP000885344	1,2,10
A	sections 1., 2. and 3A. to 3C.; figures 1-8	3-9
X	SCHULZ C ET AL. "Laser-induced incandescence: recent trends and current questions" <i>APPLIED PHYSICS B ; LASERS AND OPTICS, SPRINGER, BERLIN, DE</i> , Vol. 83, No. 3, 09 May 2006 (2006-05-09), pages 333-354 DOI: 10.1007/S00340-006-2260-8 ISSN: 1432-0649, XP019424573	1,2,10
A	sections 1. and 3.4	3-9
X	DE IULIIS S ET AL. "High sensitivity laser-induced incandescence technique for soot analysis" <i>PROCESSES AND TECHNOLOGY FOR A SUSTAINABLE ENERGY</i> , 27 June 2010 (2010-06-27), pages 1-6 DOI: 10.4405/PTSE2010.VII ISBN: 978-88-88104-11-9. XP002629884	1,10
A	sections 1. and 2.	2-9

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2019/080352

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CA 2477390 A1	13 July 2005	NONE	
US 2011228257 A1	22 September 2011	NONE	