

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2020/061236

**A. CLASSIFICATION OF SUBJECT MATTER****G01B 11/24**(2006.01)i; **B21F 1/02**(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)

G01B; B21L; B21F

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	JP S63134906 A (MITSUBISHI NUCLEAR FUEL) 07 June 1988 (1988-06-07)	1-7,9-15
Y	abstract; figures 1,3-6	16-18
A	page 30 - page 33	8
X	JP S62257003 A (KYOCERA CORP) 09 November 1987 (1987-11-09)	1,2,4-7,10,12,13,15
Y	abstract; figures 1,2	16-18
A	page 13 - page 14	8
Y	DE 102010014384 A1 (WAFIOS AG) 06 October 2011 (2011-10-06)	16-18
	abstract; figures 1-3 paragraphs [0025] - [0032]	

 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

"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

20 July 2020

Date of mailing of the international search report

28 July 2020

Name and mailing address of the ISA/EP

European Patent Office  
p.b. 5818, Patentlaan 2, 2280 HV Rijswijk  
Netherlands

Telephone No. (+31-70)340-2040

Facsimile No. (+31-70)340-3016

Authorized officer

Marani, Roberta

Telephone No.

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

International application No.

**PCT/EP2020/061236**

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
JP S63134906 A	07 June 1988	JP H0543251 B2	01 July 1993
		JP S63134906 A	07 June 1988
JP S62257003 A	09 November 1987	NONE	
DE 102010014384 A1	06 October 2011	DE 102010014384 A1	06 October 2011
		EP 2374552 A2	12 October 2011
		US 2011240169 A1	06 October 2011