

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2019/014558

A. CLASSIFICATION OF SUBJECT MATTER

G21F 5/06(2006.01)i, C23C 4/06(2006.01)i, C23C 4/129(2016.01)i, C08L 69/00(2006.01)i, C08L 23/12(2006.01)i, C08L 25/06(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)

G21F 5/06; B65D 45/00; G21F 5/00; G21F 5/002; G21F 5/005; G21F 9/00; G21F 9/36; C23C 4/06; C23C 4/129; C08L 69/00; C08L 23/12; C08L 25/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models: IPC as above

Japanese utility models and applications for utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: spent nuclear fuel, disposal canister, ceramic, polymer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2016-180593 A (PORT & AIRPORT RESEARCH INSTITUTE) 13 October 2016 See paragraphs [17]-[22], and figure 1.	1-6
A	KR 10-2010-0097821 A (JEON, Yoo Tae) 06 September 2010 See paragraph [30], and figure 1.	1-6
A	JP 07-020282 A (ISHIKAWAJIMA HARIMA HEAVY IND. CO., LTD.) 24 January 1995 See paragraphs [8]-[14], and figures 1-2.	1-6
A	US 2011-0077449 A1 (CONVERT, Bruno et al.) 31 March 2011 See the entire document.	1-6
A	JP 2013-170888 A (IHI CORP. et al.) 02 September 2013 See the entire document.	1-6



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

“&” document member of the same patent family


Date of the actual completion of the international search

10 FEBRUARY 2020 (10.02.2020)

Date of mailing of the international search report

11 FEBRUARY 2020 (11.02.2020)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2019/014558

Patent document cited in search report	Publication date	Patent family member	Publication date
JP 2016-180593 A	13/10/2016	None	
KR 10-2010-0097821 A	06/09/2010	None	
JP 07-020282 A	24/01/1995	None	
US 2011-0077449 A1	31/03/2011	CN 102047343 A	04/05/2011
		CN 102047343 B	19/03/2014
		EP 2297744 A1	23/03/2011
		EP 2297744 B1	03/04/2013
		ES 2419659 T3	21/08/2013
		FR 2931992 A1	04/12/2009
		JP 2011-524518 A	01/09/2011
		JP 5575755 B2	20/08/2014
		RU 2010-153247 A	10/07/2012
		RU 2489759 C2	10/08/2013
		US 8923470 B2	30/12/2014
		WO 2009-144256 A1	03/12/2009
JP 2013-170888 A	02/09/2013	None	