

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2019/016629

A. CLASSIFICATION OF SUBJECT MATTER

H01M 8/0282(2016.01)i, H01M 8/0286(2016.01)i, C03C 3/064(2006.01)i, C03C 3/091(2006.01)i, C03C 3/087(2006.01)i, H01M 8/124(2016.01)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)

H01M 8/0282; C03C 3/064; H01M 2/06; H01M 8/02; H01M 8/12; H01M 8/0286; C03C 3/091; C03C 3/087; H01M 8/124

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: SiO₂, B₂O₃, BaO, CaO, SrO, Al₂O₃, ZrO₂, sealing glass composition, fuel cell

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HEYDARI, Fatemeh et al. Evaluation on properties of CaO-BaO-B ₂ O ₃ -Al ₂ O ₃ -SiO ₂ glass-ceramic sealants for intermediate temperature solid oxide fuel cells. Journal of Materials Science & Technology. 24 December 2012 (Online publication date), vol. 29, no. 1, pages 49-54 See abstract; and pages 50, 51, 53.	1-6
X	KR 10-2011-0128332 A (SCHOTT AG.) 29 November 2011 See paragraphs [0001], [0002], [0007], [0017]-[0040].	1-6
X	JP 2010-524193 A (CORNING INC.) 15 July 2010 See paragraphs [0007]-[0020], [0042].	1-6
X	KR 10-2015-0052017 A (MO-SCI CORPORATION et al.) 13 May 2015 See paragraphs [0013]-[0022]; and claims 1-27.	1-6
X	KR 10-2015-0075438 A (POSCO et al.) 06 July 2015 See paragraphs [0030]-[0066]; and figures 2a-3c.	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

30 MARCH 2020 (30.03.2020)

Date of mailing of the international search report

30 MARCH 2020 (30.03.2020)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2019/016629

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