

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2019/016764

## A. CLASSIFICATION OF SUBJECT MATTER

*C08J 7/02(2006.01)i, C08K 5/06(2006.01)i, C08L 83/00(2006.01)i, C08L 23/08(2006.01)i, H01B 19/00(2006.01)i, H01B 17/58(2006.01)i, H01B 13/32(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)

C08J 7/02; B21C 1/22; B29D 23/20; C08J 5/00; C08K 5/02; C08K 5/04; H01B 13/00; H01B 5/02; H01B 7/29; C08K 5/06; C08L 83/00; C08L 23/08; H01B 19/00; H01B 17/58; H01B 13/32

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: busbar core, shrinkable tube, sheath, swelling agent, saturated aqueous solution

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 10-2018-0037364 A (KYUNGSHIN CABLE) 12 April 2018 See claims 1, 7; figure 19.	1,5-15
A		2-4
Y	KR 10-0198819 B1 (SEIL CHEMICAL CO., LTD.) 15 June 1999 See pages 1, 3, 4; claim 7.	1,5-15
A	KR 10-1998-0026937 A (SEIL CHEMICAL CO., LTD.) 15 July 1998 See pages 2-4; claim 1.	1-15
A	KR 10-1999-0066146 A (LG CABLE LTD.) 16 August 1999 See claim 1; figure 1.	1-15
A	KR 10-2011-0039003 A (KIM, Kwan-jung et al.) 15 April 2011 See paragraphs [0049], [0052]; figures 6, 7.	1-15
A	KR 10-2001-0113365 A (PARK, Man Ho et al.) 28 December 2001 See paragraph [0028]; claim 1.	1-15

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	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	


Date of the actual completion of the international search

13 MARCH 2020 (13.03.2020)

Date of mailing of the international search report

16 MARCH 2020 (16.03.2020)

Name and mailing address of the ISA/KR

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

International application No.

**PCT/KR2019/016764**

Patent document cited in search report	Publication date	Patent family member	Publication date
KR 10-2018-0037364 A	12/04/2018	None	
KR 10-0198819 B1	15/06/1999	KR 10-1998-0026936 A	15/07/1998
KR 10-1998-0026937 A	15/07/1998	KR 10-0221660 B1	15/09/1999
KR 10-1999-0066146 A	16/08/1999	KR 10-0274907 B1	15/12/2000
KR 10-2011-0039003 A	15/04/2011	KR 10-1041182 B1	13/06/2011
KR 10-2001-0113365 A	28/12/2001	None	