

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/012884

A. CLASSIFICATION OF SUBJECT MATTER

C09D 5/08(2006.01)i, C09D 7/12(2006.01)i, C08L 85/02(2006.01)i, C09D 201/00(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)

C09D 5/08; C09D 175/14; B05D 1/00; C23C 28/00; C09D 7/12; C09D 133/04; C09D 175/04; B32B 27/36; B32B 27/00; C09D 163/00; C08L 85/02; C09D 201/00

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: steel plate, coating, hardening agent, decay resistance, resin, polymer, melamine, silicate, poly phosphagen, phosphagen, adhesion

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-1637129 B1 (POSCO) 06 July 2016 See claims 1, 9-11, 13, 14, 16, 17.	1-20
A	JP 08-183144 A (TAKIRON CO., LTD.) 16 July 1996 See paragraphs [0010], [0014], [0020].	1-20
A	KR 10-2015-0075000 A (POSCO) 02 July 2015 See claims 1, 2.	1-20
A	KR 10-2016-0067278 A (POSCO) 14 June 2016 See claims 1-3.	1-20
A	KR 10-2016-0070310 A (POSCO) 20 June 2016 See claims 1, 3, 8-10.	1-20



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

26 MARCH 2018 (26.03.2018)

Date of mailing of the international search report

26 MARCH 2018 (26.03.2018)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701,
Republic of Korea

Facsimile No. +82-42-481-8578

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2017/012884

Patent document cited in search report	Publication date	Patent family member	Publication date
KR 10-1637129 B1	06/07/2016	NONE	
JP 08-183144 A	16/07/1996	NONE	
KR 10-2015-0075000 A	02/07/2015	KR 10-1543905 B1	11/08/2015
KR 10-2016-0067278 A	14/06/2016	KR 10-1674749 B1	10/11/2016
KR 10-2016-0070310 A	20/06/2016	KR 10-1696038 B1	13/01/2017