

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/034754

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. C08J5/04(2006.01) i, C08L63/00(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)

Int.Cl. B29B11/16;15/08-15/14, C08J5/04-5/10;5/24, C08K3/00-13/08,
C08L1/00-101/14, C08G59/00-59/72, B29C39/00-39/44,
B29C43/00-43/58, B29C70/00-70/88

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

Published examined utility model applications of Japan	1922-1996
Published unexamined utility model applications of Japan	1971-2018
Registered utility model specifications of Japan	1996-2018
Published registered utility model applications of Japan	1994-2018

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2016-500409 A (HEXCEL COMPOSITES LIMITED) 12 January 2016, entire text, in particular, claims, paragraphs [0065]-[0068], [0080]-[0081] & US 2015/0299407 A1, claims, paragraphs [0069]-[0072], [0084]-[0085] & GB 2509616 A & WO 2014/096435 A2 & EP 2935421 A1 & CA 2888124 A & CN 104870512 A & KR 10-2015-0097693 A & MX 2015008091 A & BR 112015009576 A	7 1-6, 8
A	JP 2010-229211 A (TORAY INDUSTRIES, INC.) 14 October 2010, entire text (Family: none)	1-8

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
04 December 2018 (04.12.2018)

Date of mailing of the international search report
18 December 2018 (18.12.2018)

Name and mailing address of the ISA/
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2016/046138 A1 (HEXCELL COMPOSITES LIMITED) 31 March 2016, entire text & JP 2017-528576 A & US 2017/0226274 A1 & GB 2532570 A & EP 3197933 A1 & CN 106715579 A & KR 10-2017-0057281 A	1-8
A	WO 2016/207309 A1 (HEXCELL REINFORCEMENTS SASU) 29 December 2016, entire text & JP 2018-521205 A & US 2018/0162019 A1 & EP 3313639 A1 & CN 107708954 A & KR 10-2018-0018815 A & MX 2017016402 A	1-8
A	WO 2015/079917 A1 (TORAY INDUSTRIES, INC.) 04 June 2015, entire text & US 2016/0289406 A1 & EP 3075761 A1 & CN 105745258 A & KR 10-2016-0094935 A	1-8
A	JP 62-240375 A (NITTO ELECTRIC IND CO., LTD.) 21 October 1987, entire text (Family: none)	1-8
A	JP 2008-214547 A (TORAY INDUSTRIES, INC.) 18 September 2008, entire text (Family: none)	1-8
A	JP 2016-113470 A (HONDA MOTOR CO., LTD.) 23 June 2016, entire text & US 2016/0168371 A1	1-8
P, A	JP 2018-131575 A (TORAY INDUSTRIES, INC.) 23 August 2018, entire text (Family: none)	1-8