

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2019/045803

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
B60C 1/00(2006.01)i; C08L 7/00(2006.01)i; C08L 15/00(2006.01)i; C08K 3/04(2006.01)i; C08K 3/36(2006.01)i FI: C08L7/00; C08L15/00; C08K3/04; C08K3/36; B60C1/00 A According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) B60C1/00; C08L7/00; C08L15/00; C08K3/04; C08K3/36		
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	1971-2020	
Registered utility model specifications of Japan	1996-2020	
Published registered utility model applications of Japan	1994-2020	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
A	JP 63-278947 A (SUMITOMO CHEMICAL INDUSTRY COMPANY LIMITED) 16.11.1988 (1988-11-16)	1-7
A	DE 102015210421 A1 (CONTINENTAL REIFEN DEUTSCHLAND GMBH) 08.12.2016 (2016-12-08)	1-7
A	WO 2018/131694 A1 (THE YOKOHAMA RUBBER CO., LTD.) 19.07.2018 (2018-07-19)	1-7
A	JP 2014-173060 A (SUMITOMO RUBBER INDUSTRIES, LTD.) 22.09.2014 (2014-09-22)	1-7
A	JP 2006-104372 A (BRIDGESTONE CORPORATION) 20.04.2006 (2006-04-20)	1-7
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 23 January 2020 (23.01.2020)		Date of mailing of the international search report 04 February 2020 (04.02.2020)
Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer  Telephone No.

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

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
JP 63-278947 A	16 Nov. 1988	US 4885338 A	
		EP 290883 A1	
		DE 3864895 A	
		CA 1303264 A	
DE 102015210421 A1	08 Dec. 2016	EP 3103655 A1	
WO 2018/131694 A1	19 Jul. 2018	CN 110168008 A	
JP 2014-173060 A	22 Sep. 2014	US 2014/0275331 A1	
		DE 102014102492 A	
JP 2006-104372 A	20 Apr. 2006	(Family: none)	