

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/076990

A. CLASSIFICATION OF SUBJECT MATTER*C23C 14/00*(2006.01)i; *C23C 14/20*(2006.01)i; *B44C 5/00*(2006.01)i; *H01Q 1/42*(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)

C23C; H01Q; B32B; B44F; B44C

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

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011273356 A1 (KAWAGUCHI TOSHIYUKI [JP] ET AL) 10 November 2011 (2011-11-10) paragraphs [0003], [0030], [0112], [0113], [0130], [0185], [0204]; figures 2,4; tables 1,2	1-12
X	JP S60251268 A (TOYOTA MOTOR CO LTD) 11 December 1985 (1985-12-11) abstract;paragraph [0001]	1-8,10-12
X	US 2006262003 A1 (KAMIYA ITSUO [JP] ET AL) 23 November 2006 (2006-11-23) paragraphs [0002], [0011], [0021], [0033], [0041]; figure 1	1-3,5,7-11

 Further documents are listed in the continuation of Box C.
 See patent family annex.

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“&” document member of the same patent family

Date of the actual completion of the international search

08 January 2020

Date of mailing of the international search report

15 January 2020

Name and mailing address of the ISA/EP

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
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				JP	5401132	B2	29 January 2014
				JP	2010188713	A	02 September 2010
				US	2011273356	A1	10 November 2011
				WO	2010084733	A1	29 July 2010
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				EP	1707988	A1	04 October 2006
				JP	2006264593	A	05 October 2006
				US	2006262003	A1	23 November 2006