



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 79 88 62

Classification of the application (IPC):

C23C 14/34, C23C 14/00, C23C 14/40, H01L 21/31, H01L 21/316, H01L 41/316, C23C, H01J
C23C 14/08, C23C 14/35, H01J 37/34

Technical fields searched (IPC):

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2013001076 A1 (FUJISATO TOSHIAKI [JP] ET AL)	1
Y	03 January 2013 (2013-01-03)	2-6
A	* paragraphs [0023] - [0042]; figures 1,2 *	7-10
X	US 2010206718 A1 (LI YOUMING [US] ET AL)	1
Y	19 August 2010 (2010-08-19)	2-6
A	* paragraphs [0024] - [0035], [0047]; figures 1,2 *	7-10
Y	JP 2000133412 A (SHIBAURA MECHATRONICS CORP)	2-5
	12 May 2000 (2000-05-12)	
	* paragraphs [0017] - [0045] *	

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 07 April 2020	Examiner Peijzel, Paul
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 07-04-2020
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2013001076	A1	03-01-2013	CN 102414340 A	11-04-2012
			JP 5347868 B2	20-11-2013
			JP 2011068918 A	07-04-2011
			KR 20120054655 A	30-05-2012
			TW 201129708 A	01-09-2011
			US 2013001076 A1	03-01-2013
			WO 2011037107 A1	31-03-2011
US 2010206718	A1	19-08-2010	EP 2398930 A1	28-12-2011
			JP 2012518722 A	16-08-2012
			KR 20110120323 A	03-11-2011
			US 2010206718 A1	19-08-2010
			WO 2010096533 A1	26-08-2010
JP 2000133412	A	12-05-2000	NONE	