

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2015/087199

A. CLASSIFICATION OF SUBJECT MATTER

H01L 21/603 (2006.01) i; H01L 21/768 (2006.01) i; H01L 21/677 (2006.01) i; H01L 21/683 (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)

H01L

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)

CPRSABS; VEN: reverse, transmit??? arm, arm, grip???, bond???, turn upward

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 104157594 A (ASM TECHNOLOGY SINGAPORE PTE LTD.), 19 November 2014 (19.11.2014), description, page 4, paragraphs 0012-0014, and figure 2	1-8
A	US 7156602 B2 (F & K DELVOTEC BONDTECHNICK GM), 02 January 2007 (02.01.2007), the whole document	1-17
PX	CN 104701199 A (CETC BEIJING ELECTRONIC EQUIPMENT CO., LTD.), 10 June 2015 (10.06.2015), the whole document	1-17
A	CN 101281873 A (GALLANT PRECISION MACHINING CO., LTD.), 08 October 2008 (08.10.2008), the whole document	1-17

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&” document member of the same patent family</p>
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Date of the actual completion of the international search
10 December 2015 (10.12.2015)

Date of mailing of the international search report
23 December 2015 (23.12.2015)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2015/087199

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 104157594 A	19 November 2014	TW 201448098 A	16 December 2014
		US 2014341691 A1	20 November 2014
US 7156602 B2	02 January 2007	JP 2003152000 A	23 May 2003
		US 2003086775 A1	08 May 2003
		EP 1310986 A1	14 May 2003
		TW 200408036 A	16 May 2004
		KR 20030038342 A	16 May 2003
CN 104701199 A	10 June 2015	None	
CN 101281873 A	08 October 2008	CN 101281873 B	03 August 2011