

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2017/112770

A. CLASSIFICATION OF SUBJECT MATTER

H05K 3/20 (2006.01) i; G06K 19/07 (2006.01) n
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)

H05K, H01L, G06K

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)

CNXTX, CNABS, DWPI, CNKI: 卷对卷, 辊对辊, 卷, 辊, 芯片, 管芯, 电路, 密封, 封装, 柔性, 弹性, 压, 图案, 图形, 转印, 转移, 导电, 对准, 剥, Roll to roll, roller, R2R, chip?, die?, packag+, encapsulat+, seal +, pattern+, flexible, press, transfer+, print+, conduct+, bond+, foil, peel, reel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 107222974 A (HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY), 29 September 2017 (29.09.2017), entire document	1-6
Y	US 2010075459 A1 (KERR et al.), 25 March 2010 (25.03.2010), description, paragraphs [0073]-[0088], and figures 5 and 6A-6D	1-6
Y	CN 101308953 A (TANG, Xianwei), 19 November 2008 (19.11.2008), description, page 7, paragraph 8 to page 11, paragraph 3, and figure 1	1-6
Y	CN 103140953 A (POSCO), 05 June 2013 (05.06.2013), description, paragraphs [0019]-[0081], and figures 1 and 4	1-6
A	CN 104718797 A (NITTO DENKO CORPORATION), 17 June 2015 (17.06.2015), entire document	1-6
A	CN 101002312 A (SEMICONDUCTOR ENERGY LABORATORY CO., LTD.), 18 July 2007 (18.07.2007), entire document	1-6
A	US 2011047793 A1 (KLINK et al.), 03 March 2011 (03.03.2011), entire document	1-6

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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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">27 March 2018</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;">04 April 2018</p>
<p>Name and mailing address of the ISA</p> <p>State Intellectual Property Office of the P. R. China</p> <p>No. 6, Xitucheng Road, Jimenqiao</p> <p>Haidian District, Beijing 100088, China</p> <p>Facsimile No. (86-10) 62019451</p>	<p>Authorized officer</p> <p style="text-align: center;">CHE, Xiaolu</p> <p>Telephone No. (86-10) 62089965</p>

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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	JP 10178255 A (KYOCERA CORP.), 30 June 1998 (30.06.1998), entire document	1-6

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2017/112770

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 107222974 A	29 September 2017	None	
US 2010075459 A1	25 March 2010	US 8361840 B2	29 January 2013
		EP 2329522 A2	08 June 2011
		WO 2010036307 A3	19 August 2010
		WO 2010036307 A2	01 April 2010
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		WO 2006011665 A1	02 February 2006
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		US 2008042168 A1	21 February 2008
		JP 2006066899 A	09 March 2006
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		US 2015287660 A1	08 October 2015
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		US 2008076209 A1	27 March 2008
		DE 102006044525 B3	31 January 2008
JP 10178255 A	30 June 1998	JP 3495211 B2	09 February 2004