Related U.S. Application Data

(60) Provisional application No. 62/235,326, filed on Sep. 30, 2015.

(51) **Int. Cl.**

H01R 12/61	(2011.01)
H01R 13/22	(2006.01)
H01R 13/52	(2006.01)
H01R 13/193	(2006.01)
H01R 13/24	(2006.01)

(52) **U.S. Cl.**
CPC ***H01R 13/22*** (2013.01); ***H01R 13/5213*** (2013.01); *H01R 13/193* (2013.01); *H01R 13/24* (2013.01)

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,340,320	B1 *	1/2002	Ogawa	H01R 13/2421 29/511
6,749,441	B1	6/2004	Ma	
7,662,000	B2	2/2010	Hou et al.	
7,914,320	B2	3/2011	Ko	
8,133,071	B2	3/2012	Wang et al.	
8,523,577	B1 *	9/2013	Huang	H01R 13/6205 439/39
8,535,088	B2	9/2013	Gao et al.	
8,740,630	B2	6/2014	Fujino et al.	
9,077,105	B2 *	7/2015	Kim	H01R 13/6205
9,130,317	B2 *	9/2015	Wang	H01R 13/6683
9,281,612	B2	3/2016	Gao et al.	
9,300,081	B2	3/2016	Rudisill et al.	
9,888,571	B2	2/2018	Verhoeve et al.	
9,893,452	B2	2/2018	Wagman et al.	
9,899,757	B2	2/2018	Do et al.	
2008/0132090	A1	6/2008	Bozzone et al.	
2013/0035006	A1	2/2013	Park et al.	
2013/0095690	A1 *	4/2013	Kim	H01R 13/62 439/370
2013/0095707	A1 *	4/2013	Kim	H01R 13/2421 439/840
2014/0287601	A1 *	9/2014	Suh	H01R 13/6205 439/39
2016/0093975	A1 *	3/2016	Katiyar	H01F 1/147 439/38
2017/0069994	A1	3/2017	Wagman et al.	
2017/0071069	A1	3/2017	Lee et al.	
2017/0093087	A1	3/2017	Esmaeili et al.	
2018/0090867	A1	3/2018	Kim et al.	

FOREIGN PATENT DOCUMENTS

CN	101800385	A1	8/2010
CN	102156510		8/2011
CN	102570166		7/2012
CN	202633647		12/2012
CN	103107670	A	5/2013
CN	103915709		7/2014
CN	204012773	U	12/2014
CN	204633034		9/2015
EP	0867977		2/2017

OTHER PUBLICATIONS

U.S. Appl. No. 15/181,307 , "Non-Final Office Action", dated May 19, 2017, 8 pages.
U.S. Appl. No. 15/181,307 , "Notice of Allowance", dated Nov. 24, 2017, 7 pages.
Chinese Patent Application No. CN201620986828.3 , "Office Action", dated Jan. 18, 2017, 3 pages.
Chinese Patent Application No. CN201620986828.3 , "Utility Model Evaluation Report", dated Dec. 7, 2017, 16 pages.
European Patent Application No. EP16185102.7 , "Extended European Search Report", dated Feb. 8, 2017, 6 pages.
Taiwanese Patent Application No. TW105127380 , "Office Action", dated Sep. 20, 2017, 8 pages.
Notification of the Second Office Action dated Apr. 29, 2019 in Chinese Application No. 201610768244.3. 24 pages, includes English translation.
Office Action dated Mar. 15, 2019 in EP Application No. 16 185 102.7-1201. 6 pages.
Office Action issued in European Application No. EP16185102.7, dated Sep. 2, 2019 in 5 pages.

* cited by examiner