

EXHIBIT 1



(12) **United States Patent**
Morioka et al.

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(54) **ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS, DEVELOPING APPARATUS, AND COUPLING MEMBER**

(58) **Field of Classification Search**
CPC G03G 15/0173; G03G 21/1647; G03G 21/1676; G03G 2215/0177
See application file for complete search history.

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

899,913 A 9/1908 Shaw
2,292,676 A 8/1942 Thiry
(Continued)

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FOREIGN PATENT DOCUMENTS

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CN 1205459 1/1999
CN 1346077 4/2002
(Continued)

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OTHER PUBLICATIONS

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Smith Corona 5H Series Personal Word Processors Service Manual, dated Sep. 1989.

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(57) **ABSTRACT**

An image forming apparatus cartridge comprises a developer roller having an axis L1 and a coupling member having an axis L2. The coupling member includes (i) a first end portion operatively connected to the developer roller, (ii) a second end portion including at least one projection, and (iii) a connecting portion connecting the first end portion and the second end portion. The coupling member is movable between (i) a first position in which a tip of the at least one projection is a first distance away from the developer roller as measured in the direction of the axis L1 and (ii) a second position in which the tip of the at least one projection is a second distance away from the developer roller as measured in the direction of the axis L1, wherein the first distance is greater than the second distance.

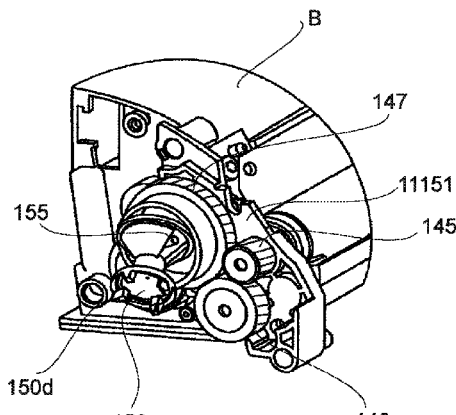
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G03G 21/16 (2006.01)

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13/764,073, filed on Feb. 11, 2013, now Pat. No. 8,688,008, which is a division of application No. 12/053,982, filed on Mar. 24, 2008, now Pat. No. 8,437,669.

(56)

References Cited

U.S. PATENT DOCUMENTS

2,300,514	A	11/1942	Mallman	5,991,571	A	11/1999	Yamada et al.
3,406,534	A	10/1968	Chapper	5,993,101	A	11/1999	Kohno et al.
3,490,841	A	1/1970	Celry, Jr. et al.	6,011,942	A	1/2000	Taniguchi et al.
3,815,380	A	6/1974	Esmay	6,029,027	A	2/2000	Yokomori et al.
3,818,380	A	6/1974	Tyre	6,029,031	A	2/2000	Yokomori et al.
3,922,883	A	12/1975	Bevacqua	6,032,002	A	2/2000	Yokomori et al.
4,065,941	A	* 1/1978	Aoki F16D 3/207 464/115	6,032,008	A	2/2000	Kolodziej
4,106,611	A	8/1978	Suzuki et al.	6,058,280	A	5/2000	Kumar et al.
4,167,321	A	9/1979	Miyashita et al.	6,061,535	A	5/2000	Yokomori et al.
4,320,429	A	3/1982	Knerich et al.	6,064,843	A	5/2000	Isobe et al.
4,433,767	A	2/1984	Thor	6,070,028	A	5/2000	Odagawa et al.
4,439,257	A	3/1984	Sato et al.	6,072,968	A	6/2000	Nomura et al.
4,451,117	A	5/1984	Goode	6,072,969	A	6/2000	Yokomori et al.
4,457,738	A	7/1984	Gross et al.	6,115,569	A	9/2000	Akutsu
4,607,734	A	8/1986	Watashi et al.	6,118,962	A	9/2000	Casper et al.
4,692,127	A	9/1987	Wagner	6,128,452	A	10/2000	Miyabe et al.
4,835,565	A	4/1989	Nagatsuna et al.	6,137,970	A	10/2000	Sasago
4,829,335	A	5/1989	Kanemitsu et al.	6,152,826	A	11/2000	Profeta et al.
4,833,502	A	5/1989	Azuma	6,154,623	A	11/2000	Suzuki et al.
4,839,690	A	6/1989	Onoda et al.	6,157,799	A	12/2000	Asakura et al.
4,873,549	A	10/1989	Tada et al.	6,167,219	A	12/2000	Miyamoto et al.
5,019,867	A	5/1991	Yamakawa et al.	6,173,140	B1	1/2001	Suzuki et al.
5,023,660	A	6/1991	Ebata et al.	6,173,145	B1	1/2001	Chadani et al.
5,036,369	A	7/1991	Toda et al.	6,175,705	B1	1/2001	Harada et al.
5,106,224	A	4/1992	van Gelderen	6,198,891	B1	3/2001	Ishida et al.
5,128,715	A	7/1992	Furyama et al.	6,215,969	B1	4/2001	Nomura et al.
5,132,728	A	7/1992	Suzaki et al.	6,240,266	B1	5/2001	Watanabe et al.
5,168,319	A	12/1992	Kimura et al.	6,249,663	B1	6/2001	Aizawa et al.
5,177,854	A	1/1993	Herbert, Jr. et al.	6,256,467	B1	7/2001	Yokomori et al.
5,210,574	A	5/1993	Kita	6,282,390	B1	8/2001	Miyabe et al.
5,235,383	A	8/1993	Tada et al.	6,301,458	B1	10/2001	Mori et al.
5,247,847	A	9/1993	Gu	6,317,572	B1	11/2001	Miyabe et al.
5,277,659	A	1/1994	Cornay	6,336,012	B1	1/2002	Noda et al.
5,290,203	A	3/1994	Krude	6,336,017	B1	1/2002	Miyamoto et al.
5,331,373	A	7/1994	Nomura et al.	6,336,018	B1	1/2002	Kawai et al.
5,452,056	A	9/1995	Nomura et al.	6,343,192	B1	1/2002	Miyabe et al.
5,463,446	A	10/1995	Watanabe et al.	6,349,191	B1	2/2002	Willis
5,562,357	A	10/1996	Sandell	6,351,620	B1	2/2002	Miyabe et al.
5,579,085	A	11/1996	Miyabe et al.	6,366,748	B1	4/2002	Takeuchi et al.
5,583,618	A	12/1996	Takeuchi et al.	6,385,416	B1	5/2002	Horikawa et al.
5,583,630	A	12/1996	Kimura et al.	6,397,029	B1	5/2002	Portig
5,585,889	A	12/1996	Shishido et al.	6,400,914	B1	6/2002	Noda et al.
5,640,650	A	6/1997	Watanabe et al.	6,415,121	B1	7/2002	Suzuki et al.
5,738,586	A	4/1998	Arriaga	6,418,296	B1	7/2002	Aizawa et al.
5,740,500	A	4/1998	Hashimoto	6,452,826	B1	9/2002	Kim et al.
5,749,028	A	5/1998	Damji et al.	6,473,580	B1	10/2002	Inomata
5,809,380	A	9/1998	Katakabe et al.	6,490,426	B1	12/2002	Zaman
5,839,028	A	11/1998	Nomura et al.	6,501,926	B1	12/2002	Watanabe et al.
5,845,175	A	12/1998	Kumar et al.	6,517,439	B1	2/2003	Sears
5,848,334	A	12/1998	Kamola	6,519,431	B1	2/2003	Toba et al.
5,855,519	A	1/1999	Kadota	6,542,706	B2	4/2003	Toba et al.
5,878,309	A	3/1999	Nomura et al.	6,546,220	B1	4/2003	Asakura et al.
5,878,310	A	3/1999	Noda et al.	6,549,736	B2	4/2003	Miyabe et al.
5,878,492	A	3/1999	Gleasant et al.	6,549,738	B2	4/2003	Otani et al.
5,903,803	A	5/1999	Kawai et al.	6,556,799	B2	4/2003	Saito
5,907,750	A	5/1999	Yamada et al.	6,572,480	B1	6/2003	Huang
5,920,753	A	7/1999	Sasaki et al.	6,574,446	B2	6/2003	Kitayama
5,926,666	A	7/1999	Miura et al.	6,577,831	B1	6/2003	Kojima et al.
5,926,672	A	7/1999	Nishibata et al.	6,603,939	B1	8/2003	Toba et al.
5,930,562	A	7/1999	Noda et al.	6,608,980	B2	8/2003	Murayama et al.
5,943,529	A	8/1999	Miyabe et al.	6,654,580	B2	11/2003	Yamaguchi et al.
5,946,531	A	8/1999	Miura et al.	6,678,488	B2	1/2004	Toba et al.
5,950,047	A	9/1999	Miyabe et al.	6,699,550	B2	3/2004	Suzuki et al.
5,953,562	A	9/1999	Kawaguchi et al.	6,704,522	B2	3/2004	Sasago et al.
				6,714,746	B2	3/2004	Morioka
				6,714,752	B2	3/2004	Ueno et al.
				6,725,004	B2	4/2004	Ahn et al.
				6,768,890	B2	7/2004	Cho et al.
				6,795,666	B2	9/2004	Miyabe et al.
				6,823,153	B2	11/2004	Ueno et al.
				6,823,160	B2	11/2004	Okabe
				6,829,455	B2	12/2004	Yasumoto et al.
				6,834,175	B2	12/2004	Murayama et al.
				6,836,629	B2	12/2004	Miyabe et al.
				6,954,600	B2	2/2005	Persson et al.
				6,968,144	B2	3/2005	Skladman et al.
				6,898,391	B2	5/2005	Numagami et al.

US 9,851,688 B2

(56)

References Cited

U.S. PATENT DOCUMENTS

6,931,226 B2	8/2005	Chadani et al.	2001/0041080 A1	11/2001	Higeta et al.
6,934,485 B2	8/2005	Miyabe et al.	2002/0018666 A1	2/2002	Noda et al.
6,937,832 B2	8/2005	Sato et al.	2002/0025191 A1	2/2002	Kitayama
6,950,621 B2	9/2005	Himes	2002/0034398 A1	3/2002	Higeta et al.
6,954,601 B2	10/2005	Numagami et al.	2002/0044794 A1	4/2002	Nishiuwatoko et al.
6,963,706 B2	11/2005	Morioka et al.	2002/0057928 A1	5/2002	Yasumoto et al.
6,968,146 B1	11/2005	Fujita et al.	2002/0057932 A1	5/2002	Aizawa et al.
6,970,668 B2	11/2005	Ueno et al.	2002/0110385 A1	8/2002	Terada et al.
6,978,099 B2	12/2005	Ueno et al.	2002/0110388 A1	8/2002	Yokomori et al.
6,980,758 B2	12/2005	Murayama et al.	2003/0049051 A1	3/2003	Takahashi et al.
7,003,247 B2	2/2006	Koishi et al.	2003/0059233 A1	3/2003	Jang et al.
7,016,626 B2	3/2006	Yokomori et al.	2003/0123904 A1	7/2003	Maeshima et al.
7,020,410 B2	3/2006	Zogg et al.	2003/0138270 A1	7/2003	Matsuoka
7,024,131 B2	4/2006	Komatsu et al.	2003/0156848 A1	8/2003	Kawai et al.
7,062,200 B2	6/2006	Ueno et al.	2003/0235429 A1	12/2003	Sato et al.
7,079,783 B2	7/2006	Yokoi	2004/0086300 A1	5/2004	Kawai et al.
7,079,787 B2	7/2006	Ogino et al.	2004/0114977 A1	6/2004	Bloemen et al.
7,092,658 B2	8/2006	Yasumoto et al.	2004/0136746 A1	7/2004	Komatsu et al.
7,121,205 B2	10/2006	Ono et al.	2004/0179862 A1	9/2004	Ono et al.
7,127,192 B2	10/2006	Batori et al.	2004/0190937 A1	9/2004	Mercer et al.
7,136,604 B2	11/2006	Chadani et al.	2005/0031374 A1	2/2005	Nagashima et al.
7,139,502 B2	11/2006	Koishi et al.	2005/0105936 A1	5/2005	Morioka et al.
7,147,457 B2	12/2006	Iten	2005/0111881 A1	5/2005	Arimitsu et al.
7,149,457 B2	12/2006	Miyabe et al.	2005/0111882 A1	5/2005	Sudo et al.
7,155,141 B2	12/2006	Sato et al.	2005/0117934 A1	6/2005	Murayama et al.
7,158,735 B2	1/2007	Murayama et al.	2005/0143179 A1	6/2005	Delaney et al.
7,158,736 B2	1/2007	Sato et al.	2005/0191092 A1	9/2005	Toso et al.
7,164,875 B2	1/2007	Miyabe et al.	2005/0220481 A1	10/2005	Yamaguchi et al.
7,174,122 B2	2/2007	Fujita et al.	2005/0244858 A1	11/2005	Numagami et al.
7,184,690 B2	2/2007	Ueno et al.	2005/0281586 A1	12/2005	Ohashi et al.
7,200,349 B2	4/2007	Sato et al.	2005/0286931 A1	12/2005	Kim et al.
7,209,682 B2	4/2007	Numagami et al.	2006/0002735 A1	1/2006	Tamaru et al.
7,212,768 B2	5/2007	Numagami et al.	2006/0008289 A1	1/2006	Sato et al.
7,212,773 B2	5/2007	Sudo et al.	2006/0029435 A1	2/2006	Kasai et al.
7,224,925 B2	5/2007	Sato et al.	2006/0034637 A1	2/2006	Kim et al.
7,236,722 B2	6/2007	Portig	2006/0035637 A1	2/2006	Kim et al.
7,242,890 B2	7/2007	Yokota	2006/0051133 A1	3/2006	Koishi et al.
7,242,893 B2	7/2007	Murakami et al.	2006/0056878 A1	3/2006	Okabe et al.
7,248,810 B2	7/2007	Miyabe et al.	2006/0062488 A1	3/2006	Smeijers
7,289,752 B2	10/2007	Yamazaki et al.	2006/0067737 A1	3/2006	Yamazaki et al.
7,315,710 B2	1/2008	Ueno et al.	2006/0093398 A1	5/2006	Hayakawa
7,349,657 B2	3/2008	Sato et al.	2006/0140672 A1	6/2006	Taguchi
7,366,443 B2	4/2008	Ohashi et al.	2006/0146371 A1	7/2006	Hoashi et al.
7,366,445 B2	4/2008	Hoashi et al.	2006/0182465 A1	8/2006	Funamoto et al.
7,366,452 B2	4/2008	Fujita et al.	2006/0228127 A1	10/2006	Miyabe et al.
7,403,733 B2	7/2008	Watanabe et al.	2006/0240896 A1	10/2006	Ohashi et al.
7,421,235 B2	9/2008	Choi	2006/0257164 A1	11/2006	Hoshi et al.
7,424,247 B2	9/2008	Iwasaki	2006/0269318 A1	11/2006	Ueno et al.
7,433,622 B2	10/2008	Chadani et al.	2007/0042826 A1	2/2007	Furusawa
7,433,628 B2	10/2008	Kweon et al.	2007/0059038 A1	3/2007	Shiraki
7,491,161 B2	2/2009	Taguchi	2007/0065183 A1	3/2007	Tomita
7,509,075 B2	3/2009	Hayakawa	2007/0104510 A1	5/2007	Kawai et al.
7,526,228 B2	4/2009	Shiraki	2007/0110478 A1	5/2007	Numagami et al.
7,529,507 B2	5/2009	Ohashi et al.	2007/0122188 A1	5/2007	Igarashi
7,537,410 B2	5/2009	Parisi et al.	2007/0196131 A1	8/2007	Sato
7,603,059 B2	10/2009	Marumoto	2007/0237545 A1	10/2007	Cho et al.
7,623,811 B2	11/2009	Sato	2007/0264048 A1	11/2007	Kuroda
7,630,667 B2	12/2009	Huang et al.	2008/0025757 A1	1/2008	Sato et al.
7,651,436 B2	1/2010	Sugitani	2008/0102966 A1	5/2008	Gleasman
7,672,611 B2	3/2010	Nakaya	2008/0117482 A1	5/2008	Kusumi
7,684,729 B2	3/2010	Goda	2008/0152338 A1	6/2008	Kudo
7,720,405 B2	5/2010	Okabe	2008/0152388 A1	6/2008	Ueno et al.
7,756,443 B2	7/2010	Okabe et al.	2008/0159773 A1	7/2008	Murayama et al.
7,817,938 B2	10/2010	Igarashi	2008/0199212 A1	8/2008	Tsui et al.
7,869,735 B2	1/2011	Hattori	2008/0240796 A1	10/2008	Morioka et al.
7,899,364 B2	3/2011	Chadani et al.	2008/0260428 A1	10/2008	Ueno et al.
7,942,426 B2	5/2011	Peters	2009/0196655 A1	8/2009	Takigawa et al.
7,979,008 B2	7/2011	Kim et al.	2009/0290903 A1	11/2009	Horikawa et al.
8,417,154 B2*	4/2013	Nieda G03G 15/757 399/167	2009/0317131 A1*	12/2009	Morioka G03G 21/1853 399/117
8,676,090 B1	3/2014	Ueno et al.	2009/0317135 A1*	12/2009	Miyabe G03G 21/186 399/119
8,682,215 B1	3/2014	Ueno et al.	2010/0054778 A1*	3/2010	Adachi G03G 15/0818 399/53
8,688,008 B2	4/2014	Norioka et al.	2010/0054823 A1*	3/2010	Takasaka F16D 1/10

US 9,851,688 B2

Page 4

(56) References Cited

U.S. PATENT DOCUMENTS

2014/0099144 A1* 4/2014 Ueno G03G 15/757
399/111

FOREIGN PATENT DOCUMENTS

CN	1158583	7/2004	
CN	1696839	11/2005	
CN	1851282	10/2006	
EP	0511203	11/1992	
EP	1 178 370	2/2002	
EP	1199610 A2 *	4/2002 F16D 1/10
EP	1199610	4/2004	
EP	1 628 165	2/2006	
EP	1791034	5/2007	
GB	2141520	12/1984	
JP	57-153844	9/1982	
JP	S59228281	12/1984	
JP	60-249729	12/1985	
JP	S60249729	12/1985	
JP	61-092967	6/1986	
JP	1-164818	6/1989	
JP	03-125166 A	5/1991	
JP	H03125166	5/1991	
JP	03117249 U	12/1991	
JP	4-119363	4/1992	
JP	H04-119363	4/1992	
JP	4-240870	8/1992	
JP	H04240870	8/1992	
JP	05017656 U	3/1993	
JP	U05-019658	3/1993	
JP	U05-030857	4/1993	
JP	H05172152	7/1993	
JP	05073663 U	10/1993	
JP	5-341589	12/1993	
JP	Hei 7-33253 U	7/1995	
JP	H07217655	8/1995	
JP	H07217665	8/1995	
JP	8-030168	2/1996	
JP	H09160274	6/1997	
JP	H09-177807 A	7/1997	
JP	H09177807	7/1997	
JP	H09230654	9/1997	
JP	U53-115630	7/1998	
JP	H10-326034 A	12/1998	
JP	11-15265	1/1999	
JP	11-325097	11/1999	
JP	H11325097	11/1999	
JP	2000-75732	3/2000	
JP	2000075732	3/2000	
JP	2000-120715	4/2000	
JP	2000-137360	5/2000	
JP	2000-170783	6/2000	
JP	2000170783	6/2000	
JP	2000257646	9/2000	
JP	2000280348	10/2000	
JP	2000-338842 A	12/2000	
JP	2001-083753 A	3/2001	
JP	2001194954	7/2001	
JP	2007-218403 A	8/2001	
JP	2002-031153	1/2002	
JP	2002-048148	2/2002	
JP	2002217574	8/2002	
JP	2002-250435	9/2002	
JP	2003-162137	6/2003	
JP	2003-202727	7/2003	
JP	2003247535	9/2003	
JP	2004-045603	2/2004	
JP	2004-45603	2/2004	
JP	2004045603	2/2004	
JP	2004-85593	3/2004	
JP	2004-085593 A	3/2004	
JP	2004144240	5/2004	

JP	2004246058	9/2004
JP	2004251401	9/2004
JP	2005076734	3/2005
JP	2005164684	6/2005
JP	2005-299788 A	10/2005
JP	3728104	10/2005
JP	2005296235	10/2005
JP	3728104	12/2005
JP	2006039364	2/2006
JP	2006-072160	3/2006
JP	2006-72160	3/2006
JP	2006084935	3/2006
JP	2006106681	4/2006
JP	2006133436	5/2006
JP	2006139230	6/2006
JP	2006163232	6/2006
JP	2006163232 A *	6/2006
JP	2007032794	2/2007
JP	2007-052185	3/2007
JP	2007069868	3/2007
JP	2007121774	5/2007
JP	2007-128403	8/2007
JP	2007-240007	9/2007
JP	2007-256497 A	10/2007
JP	2007-303615 A	11/2007
JP	2009-104101	5/2009
JP	2009300516	12/2009
KR	10-0617433 B1	8/2006
KR	20090044054	5/2009
RU	2 289 835 C2	8/2004
RU	2 289 835 C2	2/2006
SU	817658 A	3/1981
WO	2006014821	2/2006
WO	2008/078836 A1	7/2008

OTHER PUBLICATIONS

John W. Weigl, "Electrophotography", 16 *Angew. Chem. Int. Ed. Engl.*, 374-392 (Jun. 1977).

Kawamoto, "Vibration Induced in Driving Mechanism of Photoconductor Drum in Color Laser Printer", 48 *Jour. of Image Sci. and Teck*, 306-311 (Jul./Aug. 2004).

Knight et al., "Robust Control for Carriage Drum Printer", *Control Applications, Proceedings of the Third IEEE International Conference on Control and Applications*, 971-976 (Aug. 1994).

Pai et al., "Physics of Electrophotography", 65 *Reviews of Mod. Physics*, 163-211 (Jan. 1993).

English translation of Japanese Patent Laid-Open No. 4-119363 (laid-open date Apr. 20, 1992).

English translation of Japanese Patent Laid-Open No. 2003-162137 (laid-open date Jun. 6, 2003).

Office Action in Russian Patent Application No. 2015142660, dated Feb. 17, 2017 (with English translation).

Co-pending U.S. Appl. Nos. 15/376,974; 15/376,997; 15/377,028; 15/377,057; 15/377,079; 15/377,106; 15/377,135; 15/377,476; 15/377,337; 15/377,362; 15/377,447; 15/455,615; 15/455,624 15/455,740; 15/455,820; and 15/455,423.

English Translation of Jan. 17, 2011 Office Action in Korean Patent Application No. 10-2009-7015430.

Office Action in Korean Patent Application No. 10-2009-7015474, dated Jan. 17, 2011, with English translation.

Office Action in Korean Patent Application No. 10-2009-7022191, dated Feb. 17, 2011.

Office Action in Chinese Patent Application No. 200780047584.6, dated Nov. 1, 2010, with English translation.

Office Action in Korean Patent Application No. 10-2009-7015430, dated Jan. 17, 2011.

Office Action in Korean Patent Application No. 10-2009-7022510, dated Aug. 8, 2011.

Notice of Allowance in Korean Application No. 10-2009-7022191, dated Sep. 29, 2011.

Office Action in Japanese Patent Application No. 2007-330304, dated Nov. 22, 2011, with English translation.

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