Related U.S. Application Data

continuation of application No. 11/357,687, filed on Feb. 16, 2006, now Pat. No. 7,582,621.

(60) Provisional application No. 60/755,227, filed on Dec. 30, 2005, provisional application No. 60/746,361, filed on May 3, 2006, provisional application No. 60/654,060, filed on Feb. 16, 2005.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,831,866	A	4/1958	Freeman et al.	
3,093,659	A	6/1963	Bell et al.	
3,104,255	A	9/1963	Emrick et al.	
3,297,525	A	1/1967	Grier	
3,370,957	A	2/1968	Wagner et al.	
3,686,398	A	8/1972	Kohn et al.	
3,816,472	A	6/1974	Shapiro et al.	
3,873,279	A	3/1975	Singer	
4,202,894	A	5/1980	Pfiffner	
4,602,011	A	7/1986	West et al.	
4,716,035	A	12/1987	Sampathkamar	
4,766,113	A	8/1988	West et al.	
4,822,822	A	4/1989	Arita et al.	
4,894,220	A	1/1990	Nabi et al.	
4,919,934	A	4/1990	Deckner et al.	
4,977,268	A	12/1990	McPhail et al.	
5,264,206	A	11/1993	Bohn et al.	
5,348,947	A	9/1994	Patel et al.	
5,348,948	A	9/1994	Patel et al.	
5,498,407	A	3/1996	Atlas	
5,591,731	A	1/1997	Kennedy et al.	
5,668,258	A	9/1997	Stolowitz	
5,688,928	A	11/1997	Stolowitz	
5,831,045	A	11/1998	Stolowitz et al.	
5,880,188	A	3/1999	Austin et al.	
5,962,498	A	10/1999	Driedger et al.	
6,042,845	A	3/2000	Sun et al.	
6,080,774	A	6/2000	Murugesan et al.	
6,083,903	A	7/2000	Adams et al.	
6,143,794	A	11/2000	Chaudhuri et al.	
6,221,640	B1	4/2001	Tao et al.	
6,224,887	B1	5/2001	Samour et al.	
6,306,628	B1	10/2001	Rothschild et al.	
6,369,098	B1	4/2002	Pershadsingh et al.	
6,521,619	B2	2/2003	Link et al.	
6,699,994	B1	3/2004	Babu et al.	
6,800,645	B1	10/2004	Cox et al.	
6,855,848	B2	2/2005	Scherer et al.	
7,074,392	B1	7/2006	Friedman et al.	
7,169,603	B2	1/2007	Hedley et al.	
7,205,425	B2	4/2007	Shibasaki et al.	
7,217,701	B2	5/2007	Mikoshiba et al.	
7,390,806	B2	6/2008	Lee et al.	
7,446,236	B2	11/2008	Naud et al.	
7,465,836	B2	12/2008	Lee et al.	
7,582,621	B2 *	9/2009	Baker	C07F 5/02 514/64
7,767,657	B2	8/2010	Baker et al.	
7,816,344	B2	10/2010	Baker et al.	
8,039,450	B2	10/2011	Akama et al.	
8,039,451	B2	10/2011	Baker et al.	
8,115,026	B2	2/2012	Baker et al.	
8,168,614	B2	5/2012	Baker et al.	
8,440,642	B2	5/2013	Baker et al.	
8,722,917	B2	5/2014	Baker et al.	
8,889,656	B2 *	11/2014	Baker	C07F 5/02 514/64
2002/0010332	A1	1/2002	Vollmuller et al.	
2002/0028831	A1	3/2002	Manley	
2002/0161230	A1	10/2002	Meudt et al.	
2002/0165121	A1	11/2002	Brehove	
2002/0193672	A1	12/2002	Walsh et al.	
2003/0032673	A1	2/2003	Nagy	
2003/0181766	A1	9/2003	Satoh et al.	
2004/0077601	A1	4/2004	Adams et al.	
2004/0224923	A1	11/2004	Lee et al.	
2004/0259833	A1	12/2004	Benkovic et al.	
2004/0259842	A1	12/2004	Mikoshiba et al.	
2005/0054644	A1	3/2005	Lee et al.	
2005/0125852	A1	6/2005	Caenepeel et al.	
2006/0009386	A1	1/2006	Stossel et al.	
2006/0222671	A1	10/2006	Weidner	
2006/0234981	A1	10/2006	Baker et al.	
2007/0155699	A1	7/2007	Baker et al.	
2007/0286822	A1	12/2007	Sanders et al.	
2007/0293457	A1	12/2007	Baker et al.	
2009/0227541	A1	9/2009	Baker et al.	
2010/0048570	A1	2/2010	Kim et al.	
2010/0256092	A1	10/2010	Xia et al.	
2013/0059802	A1	3/2013	Baker et al.	
2013/0059803	A1	3/2013	Baker et al.	
2013/0064783	A1	3/2013	Baker et al.	
2013/0210770	A1	8/2013	Baker et al.	
2014/0142064	A1	5/2014	Baker et al.	
2014/0221631	A1	8/2014	Baker et al.	
2015/0065459	A1	3/2015	Baker et al.	
2015/0119364	A1	4/2015	Baker et al.	

FOREIGN PATENT DOCUMENTS

EP	1155698	A1	11/2001
EP	1 444 981	A1	8/2004
JP	2002-53583	A	2/2002
JP	2002-508359	A	3/2002
JP	2003-212837	A	7/2003
JP	2004-514669	A	5/2004
JP	2005-022986	A	1/2005
WO	WO 9533754		5/1995
WO	WO 9622023	A1	7/1996
WO	WO 9812206	A1	3/1998
WO	WO 0027822		5/2000
WO	WO 0044387	A1	8/2000
WO	WO 0075142	A2	12/2000
WO	WO 0114578	A1	3/2001
WO	WO 0149303	A1	7/2001
WO	WO 0187846	A2	11/2001
WO	WO 0244184		6/2002
WO	WO 03/009689	A1	2/2003
WO	WO 03033002	A1	4/2003
WO	WO 03059916	A2	7/2003
WO	WO 2004/043925	A2	5/2004
WO	WO 2004056322	A2	7/2004
WO	WO 2004081008	A1	9/2004
WO	WO 2005002577	A1	1/2005
WO	WO 2005013892	A3	2/2005
WO	WO 2005/066172		7/2005
WO	WO 2005/110410	A2	11/2005
WO	WO 2005/123054		12/2005
WO	WO 2005123094	A2	12/2005
WO	WO 2006007384		1/2006
WO	WO 2006062731	A1	6/2006
WO	WO 2006079843	A1	8/2006
WO	WO 2006089067	A2	8/2006
WO	WO 2006096131	A1	9/2006
WO	WO 2007022437	A2	2/2007
WO	WO 2007078340	A2	7/2007
WO	WO 2007095638	A2	8/2007
WO	WO 2007146965	A2	12/2007
WO	WO 2008157726	A1	12/2008
WO	WO 2009111676	A2	9/2009
WO	WO 2009140309	A2	11/2009
WO	WO 2010028005	A1	3/2010
WO	WO 2010045503	A	4/2010
WO	WO 2010045505	A1	4/2010
WO	WO 2015/171186		11/2015

OTHER PUBLICATIONS

Cummings, William M., et al. "Arylboronic Acids. A Medium-Size Ring Containing Boronic Ester Groups", The Journal of Organic Chemistry, vol. 34, No. 6, Jun. 1969.