U.S. PATENT DOCUMENTS

4,100,306 A 7/1978 Gregg et al.
4,101,681 A 7/1978 Hurlow et al.
4,107,339 A 8/1978 Shrimpton
4,147,097 A 4/1979 Gregg
4,156,031 A 5/1979 Hamell et al.
4,158,067 A 6/1979 Wouda
4,169,164 A 9/1979 Hubbard et al.
4,204,464 A 5/1980 Strobel
4,221,341 A 9/1980 Schymura et al.
4,224,351 A 9/1980 Sundt et al.
4,267,200 A 5/1981 Klien et al.
4,275,085 A 6/1981 Gregg
4,276,315 A 6/1981 Katz et al.
4,277,509 A 7/1981 Wouda
4,281,023 A 7/1981 Pyves
4,283,432 A 8/1981 Mitchell et al.
4,303,686 A 12/1981 Stolz et al.
4,303,689 A 12/1981 Winter et al.
4,313,265 A 2/1982 Dwyer, Jr.
4,317,841 A 3/1982 Brambilla et al.
4,322,447 A 3/1982 Hubbard
4,324,808 A 4/1982 Wertheim et al.
4,333,484 A 6/1982 Keritsis
4,335,149 A 6/1982 Stipp
4,352,829 A 10/1982 Noyes et al.
4,366,920 A 1/1983 Greenfield, Jr.
4,379,172 A 4/1983 Liu
4,389,422 A 6/1983 Hudak
RE31,427 E 10/1983 Lubsen et al.
4,474,820 A 10/1984 Hawes et al.
4,505,940 A 3/1985 Jones et al.
4,506,684 A 3/1985 Keritsis
4,528,200 A 7/1985 Coleman
4,547,378 A 10/1985 Saleeb et al.
4,560,571 A 12/1985 Sato et al.
4,565,706 A 1/1986 Wertheim et al.
4,594,256 A 6/1986 Zemelman et al.
4,594,257 A 6/1986 Leblanc et al.
4,594,258 A 6/1986 Vitti et al.
4,605,175 A 8/1986 Weber
4,606,921 A 8/1986 Liu
4,618,500 A 10/1986 Forquer
4,640,839 A 2/1987 Hsu
4,673,580 A 6/1987 Matsuda et al.
4,701,333 A 10/1987 Margolis et al.
4,707,368 A 11/1987 Vogel et al.
4,724,620 A 2/1988 Hsu
4,759,940 A 7/1988 Cattaneo et al.
4,793,990 A 12/1988 Grollier et al.
4,794,010 A 12/1988 Jones et al.
4,798,730 A 1/1989 Scoville et al.
4,805,523 A 2/1989 Stuckey et al.
4,830,869 A 5/1989 Wimmers et al.
H0673 H 9/1989 Hullah et al.
4,867,992 A 9/1989 Boniello et al.
4,886,674 A 12/1989 Seward et al.
4,900,575 A 2/1990 Cale et al.
4,903,585 A 2/1990 Wimmers et al.
4,919,962 A 4/1990 Arora et al.
4,975,295 A 12/1990 Sierra
4,981,699 A 1/1991 Inada et al.
4,983,408 A 1/1991 Colton
5,008,125 A 4/1991 Cale et al.
5,012,629 A 5/1991 Rehman et al.
5,030,473 A 7/1991 Ghodsizadeh et al.
5,035,908 A 7/1991 Arora et al.
5,043,177 A 8/1991 Chimel et al.
5,047,252 A 9/1991 Liu et al.
5,079,026 A 1/1992 Arora et al.
5,087,469 A 2/1992 Acree
5,089,280 A 2/1992 Ben-Nasr et al.
5,122,374 A 6/1992 Dupoy De Guitaard et al.
5,182,926 A 2/1993 Carns et al.
5,204,136 A 4/1993 Hellemons
5,222,364 A 6/1993 Carns et al.
5,225,223 A 7/1993 Vitzthum et al.
5,229,153 A 7/1993 Blanc
5,229,155 A 7/1993 Weisemann et al.
5,236,729 A 8/1993 Schlecht et al.
5,242,700 A 9/1993 Schlecht
5,323,623 A 6/1994 Carns et al.
5,328,708 A 7/1994 Rizzi et al.
5,332,591 A 7/1994 Ogden
5,338,575 A 8/1994 Ben-Nasr et al.
5,368,875 A * 11/1994 Hibi et al. 426/466
5,399,370 A 3/1995 Hsu
5,433,962 A 7/1995 Stipp
5,455,057 A 10/1995 Symbolik et al.
5,465,656 A 11/1995 Ogden
5,471,917 A 12/1995 Hsu
5,474,792 A 12/1995 Arora et al.
5,479,848 A 1/1996 Versini
5,513,809 A 5/1996 Perkel
5,538,750 A 7/1996 Yamaguchi et al.
5,554,400 A 9/1996 Stipp
5,576,044 A 11/1996 Chmiel et al.
5,624,699 A 4/1997 Lang
5,741,538 A 4/1998 Stipp et al.
5,750,178 A 5/1998 Cheng et al.
5,853,787 A 12/1998 Gurol
5,882,716 A 3/1999 Munz-Schaerer et al.
5,882,717 A 3/1999 Panesar et al.
5,888,549 A 3/1999 Buchholz et al.
5,897,903 A 4/1999 Gerhard-Rieben et al.
5,904,948 A 5/1999 Sartorio et al.
5,922,384 A 7/1999 Blackwell et al.
5,922,385 A 7/1999 Stipp et al.
5,928,703 A 7/1999 Chmiel et al.
5,958,497 A 9/1999 Grimm et al.
5,972,409 A 10/1999 Liu et al.
6,036,984 A 3/2000 Sartorio et al.
6,045,843 A 4/2000 Gurol
6,048,567 A 4/2000 Villagran et al.
6,090,424 A 7/2000 Mickowski et al.
6,106,877 A 8/2000 Allington et al.
6,120,831 A 9/2000 Zeller et al.
6,149,957 A 11/2000 Mandralis et al.
6,165,536 A 12/2000 Heeb et al.
6,174,557 B1 1/2001 Gamez-Rumpf et al.
6,177,119 B1 1/2001 Zeller et al.
6,203,837 B1 3/2001 Kalenian
6,207,206 B1 3/2001 Mickowski et al.
6,244,162 B1 6/2001 Dahmen
6,277,429 B1 8/2001 Zeller et al.
6,289,948 B1 9/2001 Jeannin et al.
6,291,006 B1 9/2001 Butterbaugh et al.
6,296,890 B1 10/2001 Navarini et al.
6,319,537 B1 11/2001 Cheng et al.
6,347,725 B1 2/2002 Yoakim et al.
6,352,736 B2 3/2002 Borland et al.
6,358,552 B1 3/2002 Mandralis et al.
6,379,737 B1 4/2002 Butterbaugh et al.
6,399,131 B2 6/2002 Zeller et al.
6,428,833 B1 8/2002 Suwelack et al.
6,470,920 B2 10/2002 Jeannin et al.
6,548,094 B2 4/2003 Kalenian
6,592,922 B2 7/2003 Furrer et al.
6,669,976 B2 12/2003 Fritz
6,698,333 B2 3/2004 Halliday et al.
6,749,882 B2 6/2004 Fortune, Jr.
6,758,130 B2 7/2004 Sargent et al.
6,777,007 B2 8/2004 Cai
6,777,014 B2 8/2004 Singh
6,783,791 B2 8/2004 Bunke et al.
6,814,997 B2 11/2004 Maier et al.
6,841,185 B2 1/2005 Sargent et al.
6,849,285 B2 2/2005 Masek et al.
6,861,086 B2 3/2005 Buckingham et al.
6,964,789 B2 11/2005 Maier et al.
6,979,472 B2 12/2005 Apiscopa et al.
7,211,279 B1 5/2007 Gianelli
7,220,440 B2 5/2007 Dria et al.
7,316,826 B2 1/2008 Kindel et al.
7,364,764 B2 4/2008 Janssens
7,377,207 B2 5/2008 Hug et al.
7,384,435 B1 6/2008 Stepanian et al.
7,387,063 B2 6/2008 Vu et al.