(56) **References Cited**

U.S. PATENT DOCUMENTS

3,905,109 A 9/1975 Cohen et al.
3,906,550 A 9/1975 Rostoker et al.
3,919,773 A 11/1975 Freeman
3,934,347 A 1/1976 Lash et al.
3,992,725 A 11/1976 Homsy
4,011,602 A * 3/1977 Rybicki et al. ..... 623/23.76
4,016,651 A 4/1977 Kawahara et al.
4,086,701 A 5/1978 Kawahara et al.
4,097,935 A 7/1978 Jarcho
4,122,605 A 10/1978 Hirabayashi et al.
4,131,597 A 12/1978 Bluethgen et al.
4,178,686 A 12/1979 Riess et al.
4,195,366 A 4/1980 Jarcho et al.
4,199,864 A 4/1980 Ashman
4,229,170 A 10/1980 Perez
4,244,689 A 1/1981 Ashman
4,252,525 A 2/1981 Child
4,259,072 A 3/1981 Hirabayashi et al.
4,281,991 A 8/1981 Michi et al.
4,321,042 A 3/1982 Scheicher
4,375,967 A 3/1983 Schaefer
4,379,694 A 4/1983 Riess
4,381,918 A 5/1983 Ehrnford
4,411,624 A 10/1983 Ogino et al.
4,431,420 A 2/1984 Adair
4,439,152 A 3/1984 Small
4,448,758 A 5/1984 Nagai et al.
4,475,892 A 10/1984 Faunce
4,478,904 A 10/1984 Ducheyne et al.
4,483,678 A 11/1984 Nishio et al.
4,484,570 A 11/1984 Sutter et al.
4,492,577 A 1/1985 Farris et al.
4,531,915 A 7/1985 Tatum, Jr.
4,531,916 A 7/1985 Scantlebury et al.
4,536,158 A 8/1985 Bruins et al.
4,548,959 A 10/1985 Nagai et al.
4,556,534 A 12/1985 Burnett et al.
4,708,652 A 11/1987 Fujiu et al.
4,713,006 A 12/1987 Hakamatsuka et al.
4,722,688 A 2/1988 Lonca
4,731,085 A 3/1988 Koch
4,737,411 A 4/1988 Graves et al.
4,743,260 A 5/1988 Burton
4,744,757 A 5/1988 Adair et al.
4,744,759 A 5/1988 Bowen
4,820,157 A 4/1989 Salvo
4,842,517 A 6/1989 Kawahara et al.
4,871,384 A 10/1989 Kasuga
4,872,839 A 10/1989 Branjnovic
4,872,840 A 10/1989 Bori
4,877,400 A 10/1989 Holsclaw
4,880,610 A 11/1989 Constantz
4,906,190 A 3/1990 Michna
4,909,738 A 3/1990 Ai et al.
4,957,554 A 9/1990 Mathers et al.
4,957,819 A 9/1990 Kawahara et al.
4,960,733 A 10/1990 Kasuga et al.
4,969,817 A 11/1990 Hiranuma et al.
4,969,913 A 11/1990 Ojima
4,983,182 A 1/1991 Kijima et al.
5,000,685 A 3/1991 Brajnovic
5,002,488 A 3/1991 Homsy
5,004,421 A 4/1991 Lazarof
5,007,835 A 4/1991 Valen
5,009,709 A 4/1991 Ibsen et al.
5,049,074 A * 9/1991 Otani et al. ..... 433/173
5,055,497 A 10/1991 Okada et al.
5,061,285 A 10/1991 Koch
5,062,798 A 11/1991 Tsuge et al.
5,064,731 A 11/1991 Miyazaki et al.
5,076,789 A 12/1991 Tanaka
5,087,200 A 2/1992 Branjovic et al.
5,120,340 A 6/1992 Ducheyne et al.
5,123,844 A 6/1992 Wakai et al.
5,125,839 A 6/1992 Ingber et al.
5,125,971 A 6/1992 Nonami et al.
5,139,424 A 8/1992 Yli-Urpo
5,152,687 A 10/1992 Amino
5,176,747 A 1/1993 Panzera et al.
5,180,303 A 1/1993 Hornburg et al.
5,186,626 A 2/1993 Tanaka
5,192,325 A 3/1993 Kijima et al.
5,194,000 A 3/1993 Dury
5,194,001 A 3/1993 Salvo
5,199,873 A 4/1993 Schulte et al.
5,205,745 A 4/1993 Kamiya et al.
5,232,365 A 8/1993 Ikehara
5,232,878 A 8/1993 Kasuga et al.
5,236,458 A 8/1993 Ducheyne et al.
5,238,405 A 8/1993 Marlin
5,254,005 A 10/1993 Zuest
5,282,861 A 2/1994 Kaplan
5,282,863 A 2/1994 Burton
5,288,232 A 2/1994 Panzera et al.
5,306,673 A 4/1994 Hermansson et al.
5,308,391 A 5/1994 Komma et al.
5,310,343 A 5/1994 Hasegawa et al.
5,312,254 A 5/1994 Rosenlicht
5,314,334 A 5/1994 Panzera et al.
5,342,201 A 8/1994 Oden
5,344,318 A 9/1994 Wilson et al.
5,344,457 A 9/1994 Pilliar et al.
5,346,397 A 9/1994 Braiman
5,415,546 A 5/1995 Cox, Sr.
5,419,702 A 5/1995 Beaty et al.
5,425,640 A 6/1995 Scharf
5,439,380 A 8/1995 Marlin
5,443,515 A 8/1995 Cohen et al.
5,449,291 A 9/1995 Lueschen et al.
5,458,488 A 10/1995 Chalifoux
5,468,544 A 11/1995 Marcolongo et al.
5,470,230 A 11/1995 Daftary et al.
5,476,383 A 12/1995 Beaty et al.
5,549,123 A 8/1996 Okuyama et al.
5,554,665 A 9/1996 Tateosian et al.
5,562,733 A 10/1996 Weissbach et al.
5,571,016 A 11/1996 Ingber et al.
5,572,652 A 11/1996 Robusto et al.
5,575,652 A 11/1996 Gaffar et al.
5,584,693 A 12/1996 Nishihara
5,591,030 A 1/1997 Thiel et al.
5,612,049 A 3/1997 Li et al.
5,614,330 A 3/1997 Panzera et al.
5,621,035 A 4/1997 Lyles et al.
5,624,262 A 4/1997 Yarovesky et al.
5,645,934 A 7/1997 Marcolongo et al.
5,674,069 A 10/1997 Osorio
5,676,745 A 10/1997 Kelly et al.
5,683,249 A 11/1997 Ibsen et al.
5,685,714 A 11/1997 Beaty et al.
5,695,337 A 12/1997 Tyszblat Sadoun
5,697,785 A 12/1997 Delahaye
5,697,976 A 12/1997 Chesterfield et al.
5,697,997 A 12/1997 Aronsson et al.
5,698,019 A 12/1997 Frank et al.
5,713,994 A 2/1998 Kramer et al.
5,723,007 A 3/1998 Engel et al.
5,727,943 A 3/1998 Beaty et al.
5,755,809 A 5/1998 Cohen et al.
5,759,036 A 6/1998 Hinds
5,762,500 A 6/1998 Lazarof
5,772,438 A 6/1998 Deom
5,775,912 A 7/1998 Panzera et al.
5,785,524 A 7/1998 Wolf
5,833,463 A 11/1998 Hurson
5,833,464 A 11/1998 Foser
5,839,900 A 11/1998 Billet et al.
5,843,348 A 12/1998 Giordano
5,849,068 A 12/1998 Hofmann, geb. Roth et al.
5,873,721 A 2/1999 Willoughby
5,910,273 A 6/1999 Thiel et al.
5,915,967 A 6/1999 Clokie
5,925,180 A 7/1999 Frank et al.
5,931,674 A 8/1999 Hanosh et al.