U.S. PATENT DOCUMENTS

3,230,957 A 1/1966 Seifert
3,301,258 A 1/1967 Werner et al.
3,557,794 A 1/1971 Van Patten
3,920,021 A 11/1975 Hiltebrandt
4,016,886 A 4/1977 Doss et al.
4,043,338 A 8/1977 Homm et al.
4,119,102 A 10/1978 LeVeen
4,154,246 A 5/1979 LeVeen
4,312,364 A 1/1982 Convert et al.
4,346,715 A 8/1982 Gammell
4,522,205 A 6/1985 Taylor et al.
4,643,186 A 2/1987 Rosen et al.
4,658,836 A 4/1987 Turner
4,660,571 A 4/1987 Hess et al.
4,664,120 A 5/1987 Hess
4,699,147 A 10/1987 Chilson et al.
4,709,698 A 12/1987 Johnston et al.
4,765,331 A 8/1988 Petruzzi et al.
4,776,349 A 10/1988 Nashef et al.
4,807,620 A 2/1989 Strul et al.
4,823,812 A 4/1989 Eshel et al.
4,945,912 A 8/1990 Langberg
4,966,597 A 10/1990 Cosman
4,976,711 A 12/1990 Parins et al.
4,979,948 A 12/1990 Geddes et al.
5,010,894 A 4/1991 Edhag
5,035,694 A 7/1991 Kasprzyk
5,057,106 A 10/1991 Kasevich et al.
5,057,107 A 10/1991 Parins et al.
5,078,717 A 1/1992 Parins et al.
5,098,429 A 3/1992 Sterzer
5,098,431 A 3/1992 Rydell
5,117,828 A 6/1992 Metzger et al.
5,122,137 A 6/1992 Lennox
5,156,151 A 10/1992 Imran
5,188,602 A 2/1993 Nichols
5,190,517 A 3/1993 Zieve et al.
5,215,103 A 6/1993 Desai
5,255,678 A 10/1993 Deslauriers et al.
5,263,493 A 11/1993 Avitall
5,275,610 A 1/1994 Eberbach
5,281,218 A 1/1994 Imran
5,293,869 A 3/1994 Edwards et al.
5,314,466 A 5/1994 Stern et al.
5,370,677 A 12/1994 Rudie et al.
5,370,678 A 12/1994 Edwards et al.
5,383,917 A 1/1995 Desai et al.
5,397,339 A 3/1995 Desai
5,403,312 A 4/1995 Yates et al.
5,405,322 A 4/1995 Lennox et al.
5,405,346 A 4/1995 Grundy et al.
5,409,000 A 4/1995 Imran
5,411,025 A 5/1995 Webster, Jr.
5,423,815 A 6/1995 Fugo
5,429,130 A 7/1995 Goldman
5,431,649 A 7/1995 Mulier et al.
5,437,664 A 8/1995 Cohen et al.
5,447,529 A 9/1995 Marchlinski et al.
5,449,381 A 9/1995 Imran
5,454,809 A 10/1995 Janssen
5,458,596 A 10/1995 Lax et al.
5,462,545 A 10/1995 Wang et al.
5,465,717 A 11/1995 Imran et al.
5,472,441 A 12/1995 Edwards et al.
5,505,730 A 4/1996 Edwards
5,514,130 A 5/1996 Baker
5,545,161 A 8/1996 Imran
5,556,396 A 9/1996 Cohen et al.
5,607,422 A 3/1997 Smeets et al.
5,626,578 A 5/1997 Tihon
5,709,224 A 1/1998 Behl et al.
5,810,804 A 9/1998 Gough et al.
5,817,092 A 10/1998 Behl
5,827,268 A 10/1998 Laufer
5,863,290 A 1/1999 Gough et al.
5,868,740 A 2/1999 LeVeen et al.
5,885,278 A * 3/1999 Fleischman 600/374

FOREIGN PATENT DOCUMENTS

EP 0 189 329 A2 7/1986
EP 0 205 851 12/1986
EP 0 629 382 A1 12/1994
EP 0 738 501 A1 10/1996
WO WO 90/07303 7/1990
WO WO92/12681 8/1992
WO WO 93/21846 11/1993
WO WO 94/07446 4/1994
WO WO 94/21170 9/1994
WO WO 95/10236 4/1995
WO WO 95/10322 4/1995
WO WO 95/10978 4/1995
WO WO 95/31142 11/1995
WO WO 96/32885 10/1996
WO WO 97/17892 5/1997
WO WO 97/32532 9/1997

OTHER PUBLICATIONS

Watts, *Endovenous Diathermy Destruction of Internal Saphenous*, British Medical Journal, Oct. 7, 1972, p. 53.

O'Reilly, *Endovenous Diathermy Sclerosis as a Unit of the Armamentarium for the Attack on Varicose Veins*, The Medical Journal of Australia, Jun. 1, 1974, at 900.

O'Reilly, Endovenous Diathermy Sclerosis of Varicose Veins, The Australian New Zealand Journal of Surgery, vol. 47, No. 3, Jun. 1977, pp. 393-395.

Brunelle, et al., *A Bipolar Electrode for Vascular Electrocoagulation with Alternating Current*, Technical Notes, Oct. 1980, vol. 137, pp. 239-240.

O'Reilly, *A Technique of Diathermy Sclerosis of Varicose Veins*, The Australian New Zealand Journal of Surgery, vol. 51, No. 4, Aug. 1981, pp. 379-382.

Cragg et al., *Endovascular Diathermic Vessel Occlusion*, Diagnostic Radiology, 144: 303-308, Jul. 1982.

Ogawa, et al., *Electrothrombosis As a Treatment of Cirsoid Angioma in the Face and Scalp and Varicosis of the Leg, Plastic and Reconstructive Surgery*, Sep. 1982, vol. 3, at 310-318.

Gradman, *Venoscopic Obliteration of Variceal Tributaries Using Monopolar Electrocautery*, Journal of Dermatology Surgery Oncology, 1994, p. 482-485.

Inturri, *Pathophysiology of Portal Hypertension*, Journal of Vascular Technology 271-276, Sep.-Dec. 1995.

Crockett, et al., *Preliminary Experience with an Endovascular Catheter for Electrocoagulation of Peripheral Veins*, Journal of Vascular Technology, Winter 1996, at 19-22.

Money, *Endovascular Electroablation of Peripheral Veins*, 22nd Annual Symposium, Current Critical Problems, New Horizons and Techniques in Vascular and Endovascular Surgery (Nov. 1995).

* cited by examiner