

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

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Name (line 1) SAM F. LIPRIE

Execution Date
Month Day Year
11/18/99

Name (line 2)

Second Party

Name (line 1) ANGIORAD, LLC

Execution Date
Month Day Year
11/18/99

Name (line 2)

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REEL: 013081 FRAME: 0191

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U.S. Department of Commerce
Patent and Trademark Office
PATENT

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Area Code and Telephone Number

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Patent Application Number(s)

Patent Number(s)

5503614

If this document is being filed together with a new Patent Application, enter the date the patent application
was

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Patent Cooperation Treaty (PCT)

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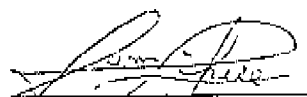
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CONFIRMATORY PATENT ASSIGNMENT

For valuable consideration, the receipt of which is hereby acknowledged, SAM F. LIPRIE, an individual with the address at 424 West McNeese Street, Lake Charles, LA 70605, and ANGIORAD, L.L.C., a limited liability company of the State of Louisiana, having its principal place of business at 424 West McNeese Street, Lake Charles, LA 70605, hereby assign to INTERVENTIONAL THERAPIES, L.L.C., a Delaware limited liability company, having its principal place of business at One Gorham Island, Westport, Connecticut 06880, all of the right, title and interest of ANGIORAD, L.L.C., in and to the patents listed on the attached Schedule of Patents.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

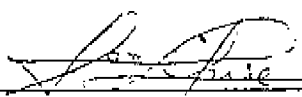
SAM F. LIPRIE



Sam F. Liprie, P.D. (Nuc.)

Date: 11/18/99

ANGIORAD, L.L.C.

By: 

Sam F. Liprie, P.D. (Nuc.)

Title: MANAGER

Date: 11/18/99

Rev. 10/27/99

SCHEDULE OF PATENTS

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
SYSTEM AND METHOD FOR DELIVERING A MEDICAL TREATMENT TO A TREATMENT SITE	Pending U.S. Appln.			09/325944	June 4, 1999	Samuel F. Liprie	ANO-0001C
SYSTEM AND METHOD FOR DELIVERING A MEDICAL TREATMENT TO A TREATMENT SITE	Pending Canadian Appln.				March 10, 1998	Samuel F. Liprie	ANO-0001F CA
SYSTEM AND METHOD FOR DELIVERING A MEDICAL TREATMENT TO A TREATMENT SITE	Pending Australian Appln.			65470	March 10, 1998	Samuel F. Liprie	ANO-0001F AU
SYSTEM AND METHOD FOR DELIVERING A MEDICAL TREATMENT TO A TREATMENT SITE	Pending European Appln.				March 10, 1998	Samuel F. Liprie	ANO-0001F EP
SYSTEM AND METHOD FOR DELIVERING A MEDICAL TREATMENT TO A TREATMENT SITE	Pending Japanese Patent				March 10, 1998	Samuel F. Liprie	ANO-0001F JP
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRUCTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Granted U.S. Patent	5947924	Sept. 7, 1999	08/713696	Sept. 13, 1996	Samuel F. Liprie	ANO-0002
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRUCTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Pending U.S. Appln.			09/369990	August 6, 1999	Samuel F. Liprie	ANO-0002D

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRICTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Pending Japanese Appln.			237454	Sept. 2, 1997	Samuel F. Liprie	ANO-0002F JP
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRICTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Pending Canadian Appln.			2213384	Aug. 20, 1997	Samuel F. Liprie	ANO-0002F CA
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRICTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Pending Australian Appln.			37534	Sept. 12, 1997	Samuel F. Liprie	ANO-0002F AU
DILATION/CENTERING CATHETER USED FOR THE TREATMENT OF STENOSIS OR OTHER CONSTRICTION IN A BODILY PASSAGEWAY AND METHOD THEREOF	Published European Appln.			97306752.3	Sept. 2, 1997	Samuel F. Liprie	ANO-0002F EP
CATHETER FOR MANEUVERING RADIOACTIVE SOURCE WIRE TO SITE OF TREATMENT	Granted U.S. Patent	5618266	Apr. 8, 1997	08/316500	Sept. 30, 1994	Samuel F. Liprie	ANO-0003C
CATHETER FOR MANEUVERING RADIOACTIVE SOURCE WIRE TO SITE OF TREATMENT	Granted Australian Patent	702117	May 27, 1999	36408	Sept. 29, 1995	Samuel F. Liprie	ANO-0003F AU
CATHETER FOR MANEUVERING RADIOACTIVE SOURCE WIRE TO SITE OF TREATMENT	Pending Canadian Appln.			219967	Sept. 29, 1995	Samuel F. Liprie	ANO-0003F CA

PATENT

REEL: 013081 FRAME: 0195

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
CATHETER FOR MANEUVERING RADIOACTIVE SOURCE WIRE TO SITE OF TREATMENT	Published European Appln.			95933934.2	Sept. 29, 1995	Samuel F. Liprie	ANO-0003F EP
CATHETER FOR MANEUVERING RADIOACTIVE SOURCE WIRE TO SITE OF TREATMENT	Published Japanese Appln.			511932	Sept. 29, 1995	Samuel F. Liprie	ANO-0003F JP
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Granted U.S. Patent	5857956	Jan. 12, 1999	08/480307	June 7, 1995	Samuel F. Liprie	ANO-0004
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending U.S. Appln.			08/827785	Apr. 11, 1997	Samuel F. Liprie	ANO-0004D1
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending U.S. Appln.			08/827787	Apr. 11, 1997	Samuel F. Liprie	ANO-0004D2
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Granted Australian Patent	696822	Jan. 7, 1999	61498	June 7, 1996	Samuel F. Liprie	ANO-0004F AU
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending Canadian Appln.			2222149	June 7, 1996	Samuel F. Liprie	ANO-0004F CA
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending European Appln.			96919060.2	June 7, 1996	Samuel F. Liprie	ANO-0004F EP

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending Japanese Appln.			501196	June 7, 1996	Samuel F. Liprie	ANO-0004F JP
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Granted U.S. Patent	5833593	Nov. 10, 1998	08/556250	Nov. 9, 1995	Samuel F. Liprie	ANO-0005
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending U.S. Appln.			09/169891	Nov. 9, 1995	Samuel F. Liprie	ANO-0005D
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending Australian Appln.			76656	Nov. 12, 1996	Samuel F. Liprie	ANO-0005F AU
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending Canadian Appln.			2237168	Nov. 12, 1996	Samuel F. Liprie	ANO-0005F CA
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Published European Appln.			96939503.7	Nov. 12, 1996	Samuel F. Liprie	ANO-0005F EP
FLEXIBLE SOURCE WIRE FOR LOCALIZED INTERNAL IRRADIATION OF TISSUE	Pending Japanese Appln.			518220	Nov. 12, 1996	Samuel F. Liprie	ANO-0005F JP
AFTERLOADER PROVIDED WITH REMOTE CONTROL UNIT	Granted U.S. Patent	5800333	Sept. 1, 1998	08/603272	Feb. 20, 1996	Samuel F. Liprie	ANO-0006

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
AFTERLOADER PROVIDED WITH REMOTE CONTROL UNIT	Published European Appln.			97102819.6	Feb. 20, 1997	Samuel F. Liprie	ANO-0006F EP
AFTERLOADER PROVIDED WITH REMOTE CONTROL UNIT	Pending Canadian Appln.			2197970	Feb. 19, 1997	Samuel F. Liprie	ANO-0006F CA
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRICTION IN A BODILY CONDUIT	Granted U.S. Patent	5840064	Nov. 24, 1998	89795	Apr. 15, 1996	Samuel F. Liprie	ANO-0007
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRICTION IN A BODILY CONDUIT	Pending Australian Appln.			17787	Apr. 8, 1997	Samuel F. Liprie	ANO-0007F AU
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRICTION IN A BODILY CONDUIT	Pending Canadian Appln.			2201463	Apr. 1, 1997	Samuel F. Liprie	ANO-0007F CA
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRICTION IN A BODILY CONDUIT	Published European Appln.			97302395.5	Apr. 7, 1997	Samuel F. Liprie	ANO-0007F EP
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRICTION IN A BODILY CONDUIT	Published Japanese Appln.			89795	Apr. 8, 1997	Samuel F. Liprie	ANO-0007F JP
PATENT FOR IRIDIUM/PLATINUM IMPLANT, METHOD OF ENCAPSULATION, AND METHOD OF IMPLANTATION	Granted U.S. Patent	4819618	Apr. 11, 1989	07/024663	Mar. 11, 1987	Samuel F. Liprie	ANO-0008

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
ATTACHMENT OF RADIOACTIVE SOURCE AND GUIDEWIRE IN A BRACHYTHERAPY SOURCE WIRE	Granted U.S. Patent	5141487	Aug. 25, 1992	07/448861	Dec. 21, 1989	Samuel F. Liprie	ANO-0009
CONTINUOUS SHEATED LOW DOSE RADIOACTIVE CORE ADAPTED FOR CUTTING INTO SHORT SEALED SEGEMENTS	Granted U.S. Patent	5322499	June 21, 1999	07/899348	Jan. 16, 1992	Samuel F. Liprie	ANO-0011
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Granted U.S. Patent	5503614	Apr. 2, 1996	08/257045	June 8, 1994	Samuel F. Liprie	ANO-0012
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Granted Australian Patent	695062	July 2, 1998	29427/95	June 8, 1995	Samuel F. Liprie	ANO-0012F AU
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Pending Canadian Appln.			2192081	June 8, 1995	Samuel F. Liprie	ANO-0012F CA
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Pending European Appln.			95925233.9	June 8, 1995	Samuel F. Liprie	ANO-0012F EP
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Pending Israeli Appln.			114,013	June 6, 1995	Samuel F. Liprie	ANO-0012F IL
FLEXIBLE SOURCE WIRE FOR RADIATION TREATMENT OF DISEASES	Granted Japanese Patent	2,916,952	Apr. 23, 1999	8-501167	June 8, 1995	Samuel F. Liprie	ANO-0012F JP

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METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Granted U.S. Patent	5556389	Sept. 17, 1996	08/220681	Mar. 31, 1994	Samuel F. Liprie	ANO-0013
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Granted Australian Patent	697592	March 31, 1995	21925/95	Mar. 31, 1995	Samuel F. Liprie	ANO-0013F AU
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending Australian Appln.			97047/98	Dec. 11, 1998	Samuel F. Liprie	ANO-0013F AUD1
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending Canadian Appln.			2186889	Mar. 31, 1995	Samuel F. Liprie	ANO-0013F CA
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending European Appln.			95914832.1	Mar. 31, 1995	Samuel F. Liprie	ANO-0013F EP
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending Israeli Appln.			113,164	Mar. 28, 1995	Samuel F. Liprie	ANO-0013F IL
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending Japanese Appln.			7-525758	Sept. 30, 1996	Samuel F. Liprie	ANO-0013F JP
METHOD AND APPARATUS FOR TREATING STENOSIS OR OTHER CONSTRUCTION IN A BODILY CONDUIT	Pending Internat. Appln.			PCT/US98/19819	Sept. 23, 1998	Liprie, Samuel F.; Futato, Lisa D.; Correia, James;	ANO-0014 PCT

<u>TITLE</u>	<u>STATUS</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>APPLN NO.</u>	<u>APPLN DATE</u>	<u>INVENTOR</u>	<u>CC NO.</u>
						Kostrzewski, Stanislaw.	
CATHETER WITH STANDOFF STRUCTURE	Pending Internat. Appln.			PCT/US98/19974	Sept. 23, 1998	Liprie, Samuel F.; Futato, Lisa D.; Toso, Kenneth E.; Toso, Gregory F.	ANO-0015 PCT
AFTERLOADER APPARATUS	Pending Internat. Appln.			PCT/US98/19820	Sept. 23, 1998	Shikman, Oleg; Correia, James; Liprie, Samuel F.; Kostrzewski, Stanislaw.	ANO-0016 PCT
TREATMENT CATHETER INSERT	Pending U.S. Appln.			08/814401	Mar. 11, 1997	Samuel F. Liprie	ANO-0017
METHOD OF MAKING A SOURCEWIRE WITH INTEGRAL CAPSULE	Pending U.S. Provision. Appln.			60/146259	July 29, 1999	Samuel F. Liprie	ANO-0018 PRO