

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

09-01-2004

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

4/27/04

REC



102826373

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Citicorp North America, Inc.

Execution Date(s) July 7, 2004

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: ALARIS Medical Systems, Inc.

Internal Address:

Street Address: 10221 Wateridge Circle

City: San Diego

State: California

Country: USA

Zip: 92121

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other Release of Security Agreement

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

(See attached Issued Patents Schedule)

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Nickie F. Kubasak

Internal Address: FULWIDER PATTON LEE & UTECHT, LLP

Street Address: 6060 Center Drive

City: Los Angeles

State: California Zip: 90045

Phone Number: (310) 824-5555

Fax Number: (310) 824-9696

Email Address: docketla@fulpat.com

6. Total number of applications and patents involved:

219

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 8,760.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

9. Signature:

Nickie F. Kubasak

Signature

August 27, 2004  
Date

Nickie F. Kubasak

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

12

08/31/2004 ECD008R 00000014 4561830

01 FC:8021

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

# SCHEDULE

## Issued Patents

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
U.S.	LINEAR PERISTALTIC PUMP	655,758	4,561,830
U.S.	INFUSION AND BLOOD CHEMISTRY MONITORING SYSTEM	523,733	4,573,968
U.S.	FLUID INFUSION SYSTEM	596,279	4,581,014
U.S.	DUAL MODE IV INFUSION DEVICE	06/801,987	4,617,014
U.S.	PARENTERAL FLUID ADMINISTRATION APPARATUS AND METHOD	06/590,982	4,623,343
U.S.	DROP SENSING UNIT AND ASSOCIATED DRIP CHAMBER FOR IV FLUID ADMINISTRATION	RE32294	RE32294
U.S.	APPARATUS AND METHOD FOR CONTROLLING THE PARENTERAL ADMINISTRATION OF FLUIDS	06/708,829	4,626,241
U.S.	DIAPHRAGM VALVE FOR MEDICATION INFUSION PUMP	06/873,439	4,646,781
U.S.	PLANAR MULTI-JUNCTION ELECTROCHEMICAL CELL	06/724,912	4,648,955
U.S.	AIR-IN-LINE DETECTOR	06/716,862	4,658,244
U.S.	SYSTEM FOR MOUNTING A DROP SENSOR TO A DRIP CHAMBER	06/710,044	4,668,216
U.S.	OPTICAL FLOW SENSOR	06/708,969	4,680,977
U.S.	ELECTROCHEMICALLY-DRIVEN PULSATILE DRUG DISPENSER	06/742,192	4,687,423
U.S.	IV TUBE ACTIVATOR	06/841,402	4,689,043
U.S.	DUAL MODE I.V. INFUSION DEVICE WITH DISTAL SENSOR	06/844,414	4,690,673
U.S.	DETECTION OF FLUID FLOW FAULTS IN PARENTERAL ADMINISTRATION OF FLUIDS	06/872,086	4,710,163
U.S.	PRECISION PASSIVE FLAT TOP VALVE FOR MEDICATION INFUSION SYSTEM	06/867,824	4,712,583
U.S.	CAM ACTION COMPENSATOR	07/009,265	4,725,205
U.S.	IMPROVED CAM ACTION COMPENSATOR	07/017,846	4,728,265
U.S.	AMBULATORY DRUG DELIVERY DEVICE	07/015,931	4,734,092
U.S.	FLUID FLOW MONITORING METHOD AND SYSTEM	06/897,618	4,743,228
U.S.	IV FLUID LINE OCCLUSION DETECTOR	06/939,549	4,747,828

**SCHEDULE  
Issued Patents**

<b>COUNTRY</b>	<b>TITLE:</b>	<b>APPLICATION NO.</b>	<b>PATENT NO.</b>
U.S.	DETECTOR DEVICE & METHOD FOR DISTINGUISHING BETWEEN FLUIDS HAVING DIFFERENT DIELECTRIC PROPERTIES	07/099,314	4,751,476
U.S.	SNAP-TOGETHER PERISTALTIC MECHANISM	07/034,326	4,755,109
U.S.	ULTRASONIC AIR-IN-LINE DETECTOR	07/086,063	4,764,166
U.S.	DIAPHRAGM PUMP CASSETTE	07/062,488	4,798,589
U.S.	INDUCTIVE POWER CONVERTER FOR USE WITH VARIABLE INPUT AND OUTPUT VOLTAGES	07/128,977	4,814,685
U.S.	CASSETTE LOADING AND LATCHING APPARATUS FOR A MEDICATION INFUSION SYSTEM	07/127,359	4,818,190
U.S.	CLAMP FIXTURE	07/128,744	4,832,299
U.S.	PARTIAL RESTRICTION DETECTOR	07/115,702	4,836,752
U.S.	MECHANICAL DRIVE SYSTEM FOR A MEDICATION INFUSION SYSTEM	07/127,133	4,850,817
U.S.	PRESSURE DIAPHRAGM FOR A MEDICATION INFUSION SYSTEM	07/128,122	4,856,340
U.S.	POWER SUPPLY WITH IMPROVED SWITCHING REGULATOR	07/264,259	4,859,927
U.S.	PATIENT-SIDE OCCLUSION DETECTION SYSTEM FOR A MEDICATION INFUSION SYSTEM	07/129,013	4,863,425
U.S.	DISPOSABLE CASSETTE FOR A MEDICATION INFUSION SYSTEM	07/127,333	4,872,813
U.S.	CASSETTE OPTICAL IDENTIFICATION APPARATUS FOR A MEDICATION INFUSION SYSTEM	07/128,009	4,878,896
U.S.	MONITOR FOR DETECTING TUBE POSITION AND AIR BUBBLES IN TUBE	07/206,232	4,884,065
U.S.	ELECTROCHEMICALLY DRIVEN DRUG DISPENSER	318,488	4,886,514
U.S.	DUAL CHANNEL IV INFUSION PUMP	07/122,006	D305,060
U.S.	COMBINED IV TUBE SLIDE CLAMP & ASSOCIATED PERISTALTIC PUMPING CHAMBER	07/001,085	D305,151
U.S.	REGULATED BATTERY CHARGER	07/047,413	4,897,591
U.S.	INTRAVENOUS FLUID FLOW MONITOR	07/236,341	4,898,576
U.S.	INFRARED THERMOMETRY SYSTEM AND METHOD	07/325,929	4,900,162
U.S.	FLUID DELIVERY MICROPUMP	07/016,019	4,902,278
U.S.	OPTICAL CHOPPER FOR INFRARED THERMOMETER	07/176,170	4,907,895
U.S.	IV INFUSION VOLUMETRIC PUMP	07/104,673	D306,758
U.S.	LINEAR PERISTALTIC PUMP	07/425,473	4,909,710

**SCHEDULE**  
**Issued Patents**

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
U.S.	FLUID DELIVERY CONTROL AND MONITORING APPARATUS FOR A MEDICATION INFUSION SYSTEM	344,494	4,919,596
U.S.	METHOD AND APPARATUS FOR MONITORING THE LEVEL OF CONTENTS IN A CONTAINER	07/275,323	4,920,336
U.S.	NEGATIVE PRESSURE MEASUREMENT SYSTEM	07/286,428	4,923,444
U.S.	BASE FOR MEDICAL INSTRUMENT STAND	07/087,752	D308,725
U.S.	LIQUID DROP IMAGE SENSOR	07/241,628	4,936,828
U.S.	ULTRASONIC AIR-IN-LINE DETECTOR	07/169,756	D308,946
U.S.	THERMAL TRANSIT TIME FLOW MEASUREMENT SYSTEM	07/319,353	4,938,079
U.S.	PISTON CAP AND BOOT SEAL FOR A MEDICATION INFUSION SYSTEM	07/127,350	4,940,399
U.S.	MEDICATION INFUSION CASSETTE	07/128,532	D309,188
U.S.	MEDICATION INFUSION PUMP	07/128,533	D309,662
U.S.	CLAMP FOR FLEXIBLE TUBING	07/398,887	4,944,485
U.S.	CONTAINER-SIDE OCCLUSION DETECTION SYSTEM FOR A MEDICATION INFUSION SYSTEM	07/192,280	4,950,235
U.S.	PERISTALTIC PUMP WITH MECHANISM FOR MAINTAINING LINEAR FLOW	07/447,880	4,954,046
U.S.	OPTICAL INTERRUPTER SYSTEM WITH VIBRATION COMPENSATION	07/340,847	4,965,446
U.S.	DISPOSABLE INFUSION DEVICE	07/305,972	4,968,301
U.S.	COMBINED VOLUMETRIC PUMP & CONTROLLER	07/169,757	D312,879
U.S.	DETECTOR FOR USE IN MONITORING EMPTY IV INFUSION CONTAINERS	07/299,743	D315,410
U.S.	AUTOMATIC TUBING LOCK FOR ULTRASONIC SENSOR INTERFACE	07/404,027	5,000,663
U.S.	AIR-IN-LINE DETECTION INFUSION SYSTEM	07/128,121	5,006,110
U.S.	PATIENT CONTROLLED ANALGESIA SECURITY ATTACHMENT FOR A MEDICATION INFUSION SYSTEM	07/279,466	5,009,641
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	07/427,174	5,017,059
U.S.	HANDHELD INFRARED THERMOMETER	07/349,259	D317,414
U.S.	IV BAG ORGANIZER	07/441,960	5,022,538
U.S.	MULTILINE CHECK VALVE ASSEMBLY	07/565,257	5,020,562
U.S.	DISPOSABLE SPECULUM FOR AN INFRARED THERMOMETER	07/349,258	D318,812
U.S.	CLINICAL CONFIGURATION OF MULTIMODE	07/128,966	5,041,086

**SCHEDULE**  
**Issued Patents**

<b>COUNTRY</b>	<b>TITLE:</b>	<b>APPLICATION NO.</b>	<b>PATENT NO.</b>
	MEDICATION INFUSION SYSTEM		
U.S.	DISPOSABLE INFRARED THERMOMETER INSERTION PROBE	07/428,416	5,046,482
U.S.	ULTRASONIC AIR-IN-LINE DETECTOR SELF TEST TECHNIQUE	07/403,259	5,053,747
U.S.	ULTRASONIC AIR-IN-LINE DETECTOR FOR A MEDICATION INFUSION SYSTEM	07/403,512	5,064,412
U.S.	PROTECTIVE APPARATUS FOR A BIOMEDICAL PROBE	07/490,333	5,066,142
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	07/194,865	5,074,756
U.S.	SYSTEM AND METHOD FOR DETECTING ABNORMALITIES IN INTRAVASCULAR INFUSION	07/322,291	5,087,245
U.S.	VITAL SIGNS MONITOR	07/367,705	D323,894
U.S.	FLUID PUMP DRIVE MECHANISM	07/519,835	5,092,749
U.S.	METHOD AND SYSTEM FOR UPSTREAM OCCLUSION DETECTION	07/433,627	5,096,385
U.S.	PROBE COVER DISPENSER	07/595,813	5,100,018
U.S.	FLUID DELIVERY PUMP FOR INTRAVENOUS SOLUTIONS	07/349,262	D325,255
U.S.	SCREW DRIVE ENGAGEMENT/ DISENGAGEMENT AND DECOUPLING MECHANISM	07/461,658	5,101,679
U.S.	APPARATUS FOR DETECTING FLUID LINE OCCLUSION	07/610,385	5,103,211
U.S.	INSTRUMENT STAND	07/360,230	D325,440
U.S.	MEDICAL TUBE CLAMP	07/411,628	D325,631
U.S.	DYNAMIC LEAD SCREW ENGAGEMENT AND INDICATOR	07/704,337	5,106,375
U.S.	SELF-ALIGNING PUMPING CHAMBER	07/458,800	D326,910
U.S.	SYRINGE PUMP	07/445,478	D327,123
U.S.	AIR-IN-LINE SENSOR SYSTEM	07/624,406	5,123,275
U.S.	ULTRASONIC TRANSDUCER ELECTRICAL INTERFACE ASSEMBLY	07/403,418	5,126,616
U.S.	BATTERY PACK FOR MEDICAL INSTRUMENTS	07/636,042	5,149,603
U.S.	SYSTEM AND METHOD FOR TEMPERATURE DETERMINATION AND CALIBRATION IN A BIOMEDICAL PROBE	07/729,866	5,150,969
U.S.	TONOMETRY SYSTEM FOR DETERMINING BLOOD PRESSURE	07/621,165	5,158,091
U.S.	IV POLE	07/526,560	D331,108

SCHEDULE  
Issued Patents

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
U.S.	TWO-CYCLE PERISTALTIC PUMP	07/840,667	5,165,873
U.S.	PORTABLE INFUSION DEVICE	07/761,306	5,167,631
U.S.	ULTRASONIC AIR-IN-LINE DETECTOR FOR DETECTING ENTRAINED AIR IN A MEDICATION INFUSION SYSTEM	07/509,689	5,176,631
U.S.	ELECTRICAL ADAPTER PLUG CLIP	07/636,043	5,176,343
U.S.	AIR-IN-LINE SENSOR	07/733,310	5,177,993
U.S.	TONOMETRY SENSOR CALIBRATION APPARATUS	07/717,224	5,195,522
U.S.	COMBINED MEDICAL INSTRUMENT BASE AND PROBE COVER DISPENSER	07/584,724	D334,626
U.S.	NEEDLE FREE I.V. ADAPTER	07/765,807	5,201,725
U.S.	IV ADMINISTRATION SET INFILTRATION MONITOR	07/741,257	5,213,573
U.S.	TWO-CYCLE PERISTALTIC PUMP WITH OCCLUSION DETECTOR	07/741,112	5,217,355
U.S.	PUMPING SYSTEM FOR INTRAVENOUS ADMINISTRATION OF A SECONDARY TREATMENT FLUID	07/697,249	5,219,331
U.S.	METHOD AND APPARATUS FOR PREPROGRAMMED INFUSION OF IV MEDICAMENTS	07/798,937	5,219,330
U.S.	SYRINGE PLUNGER POSITION AND DETECTION AND ALARM GENERATION	07/704,356	5,236,416
U.S.	APPARATUS AND METHOD FOR MOVING A TISSUE STRESS SENSOR FOR APPLANATING AN ARTERY	07/700,009	5,240,007
U.S.	PORTABLE INFUSION PUMP	07/761,616	D339,193
U.S.	NEEDLELESS ADAPTER	07/766,603	5,242,432
U.S.	PLUG-IN POWER SUPPLY ADAPTOR WITH COMPONENTS IN THE STRAIN RELIEF MEMBER	07/896,900	5,243,510
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	07/426,988	5,246,347
U.S.	IN-LINE FLUID MONITOR SYSTEM AND METHOD	07/693,357	5,260,665
U.S.	UNIVERSAL SPIKE AND DRIP CHAMBER	07/379,902	D341,420
U.S.	METHOD OF CONTINUOUSLY MONITORING BLOOD PRESSURE	07/980,931	5,261,412
U.S.	METHOD OF DETERMINING WHICH PORTION OF A STRESS SENSOR IS BEST POSITIONED FOR USE IN DETERMINING INTRA-ARTERIAL BLOOD PRESSURE	07/835,634	5,263,484
U.S.	WRIST MOUNT APPARATUS FOR USE IN BLOOD PRESSURE TONOMETRY	07/699,859	5,271,405
U.S.	METHOD OF DETERMINING OPTIMUM ARTERY APPLANTATION	07/869,553	5,273,046

**SCHEDULE  
Issued Patents**

<b>COUNTRY</b>	<b>TITLE:</b>	<b>APPLICATION NO.</b>	<b>PATENT NO.</b>
U.S.	TONOMETRY SYSTEM FOR DETERMINING BLOOD PRESSURE	07/962,364	5,284,150
U.S.	SELF PRIMING TUBING SET FOR AN INFUSION DEVICE	07/896,235	5,290,238
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	07/661,806	5,320,502
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	08/126,056	5,320,503
U.S.	FLOW CONTROL VALVE	07/881,745	5,336,174
U.S.	FLUID LINE CONDITION DETECTION	08/185,278	5,356,378
U.S.	AUTOMATIC FLOW CONTROL VALVE SYSTEM	08/101,988	5,364,364
U.S.	MULTICHANNEL APPARATUS FOR SEQUENCING THE INFUSION OF IV FLUIDS TO A PATIENT	29/088,104	D352,778
U.S.	METHOD AND APPARATUS FOR INFUSING MEDICAL SOLUTIONS	07/790,367	5,368,570
U.S.	INFUSION SYSTEM WITH AIR-IN-LINE CLEAR FUNCTION	07/852,622	5,382,232
U.S.	SELF PRIMING TUBING SET FOR AN INFUSION DEVICE	08/180,217	5,419,770
U.S.	CANNULA POSITION DETECTION	08/123,327	5,423,743
U.S.	METHOD AND APPARATUS FOR INFILTRATION DETECTION DURING ADMINISTRATION OF INTRAVENOUS FLUIDS	08/066,679	5,423,746
U.S.	TWO STEP IV FLUID FLOW CONTROL CLAMP	29/018,800	D362,062
U.S.	TWO STEP IV FLUID FLOW STOP	08/241,041	5,453,098
U.S.	FLUID MONITOR SYSTEM AND METHOD USING A RESONATOR	08/149,184	5,455,565
U.S.	RESTRICTOR FITTING FOR AN INFUSION PUMP	08/343,843	5,489,265
U.S.	SINGLE CHANNEL INFUSION PUMP	29/028,302	D367,527
U.S.	DUAL CHANNEL INFUSION PUMP	29/028,304	D367,528
U.S.	IV FLUID DELIVERY SYSTEM	08/287,624	5,499,906
U.S.	IV FLUID DELIVERY SYSTEM	08/287,853	5,511,951
U.S.	IV FLUID DELIVERY SYSTEM	08/287,854	5,513,957
U.S.	PUMPING SEGMENT	29/028,303	D371,194
U.S.	SYSTEM FOR DETERMINING MOTOR POSITION IN A BIOMEDICAL DEVICE	08/304,582	5,534,691
U.S.	AIR-IN-LINE SENSING APPARATUS	08/305,466	5,537,853
U.S.	FLUID DELIVERY SYSTEM WITH MOUNTING LINKAGE	08/304,729	5,542,826
U.S.	SYRINGE PLUNGER DRIVER SYSTEM	08/270,393	5,545,140
U.S.	NEEDLELESS CONNECTOR	08/174,843	5,549,577

SCHEDULE  
Issued Patents

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
U.S.	IV FLUID DELIVERY SYSTEM	08/287,625	5,549,460
U.S.	DATA TRANSMISSION	08/204,327	5,561,732
U.S.	PRESSURE SENSING VESSEL ADAPTED TO BE PRELOADED AGAINST A SENSOR	08/305,465	5,563,347
U.S.	SLIDING FLOW CONTROLLER HAVING CHANNEL WITH VARIABLE DEPTH GROOVE	08/304,675	5,568,912
U.S.	ENGINEERED PUMPING SEGMENT	08/304,674	5,575,632
U.S.	METHOD OF PROVIDING UNIFORM FLOW FROM AN INFUSION DEVICE	08/473,402	5,584,667
U.S.	INTERLOCK, LATCHING, AND RETAINING MECHANISM FOR AN INFUSION PUMP	08/305,468	5,601,420
U.S.	ELECTRICAL AND STRUCTURAL INTERCONNECTOR	08/403,502	5,601,445
U.S.	PRESSURE VESSEL WITH AIR BUBBLE EJECTION SYSTEM	08/304,734	5,603,613
U.S.	IMPEDANCE MONITORING SYSTEM	08/305,904	5,609,576
U.S.	INFUSION SYSTEM WITH AIR-IN-LINE CLEAR FUNCTION	08/372,513	5,616,124
U.S.	TONOMETER MOUNTING DEVICE	08/344,252	5,617,867
U.S.	POWER SUPPLY ADAPTER	29/042,723	D381,622
U.S.	NEEDLELESS CONNECTOR VALVE	08/705,062	5,676,346
U.S.	IV FLUID DELIVERY SYSTEM	08/613,853	5,709,534
U.S.	POWER MANAGEMENT SYSTEM	08/538,096	5,712,795
U.S.	MODULAR PATIENT MONITORING AND INFUSION SYSTEM	08/403,503	5,713,856
U.S.	SYSTEM FOR INCREASING FLOW UNIFORMITY	08/305,677	5,716,194
U.S.	CONFIGURATION CONTROL FOR CONFIGURING MULTIPLE BIOMEDICAL DEVICES	08/005,249	5,719,761
U.S.	IV FLUID DELIVERY SYSTEM	08/614,810	5,741,121
U.S.	AUTOMATED INFUSION SYSTEM WITH DOSE RATE CALCULATION	08/440,871	5,772,635
U.S.	SYSTEM AND METHOD FOR COLLECTING DATA AND MANAGING PATIENT CARE	08/440,625	5,781,442
U.S.	SAFETY MONITORING APPARATUS FOR A PATIENT CARE SYSTEM	08/726,882	5,800,387
U.S.	METHOD OF MEASURING AN OCCLUSION IN AN INFUSION DEVICE WITH DISPOSABLE ELEMENTS	08/388,679	5,803,712
U.S.	FLUID FLOW RESISTANCE MONITORING SYSTEM	08/688,698	5,803,917



SCHEDULE  
Issued Patents

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
U.S.	UPSTREAM OCCLUSION DETECTION SYSTEM	08/522,001	5,827,223
U.S.	SELF ACTIVATING FLOW STOP VALVE	08/692,503	5,826,621
U.S.	METHOD AND APPARATUS FOR LOGICAL ADDRESSING IN A MODULAR PATIENT CARE SYSTEM	08/866,664	5,836,910
U.S.	MEDICAL ADAPTER HAVING NEEDLELESS VALVE & SHARPENED CANNULA	08/794,404	5,839,715
U.S.	INFUSION DEVICE WITH AUDIBLE DATA OUTPUT	08/690,164	5,848,988
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	08/686,757	5,853,386
U.S.	INTRAVENOUS TUBE OCCLUDER	08/502,747	5,865,813
U.S.	METHOD AND APPARATUS FOR CONTROLLING INFUSION VOLUME	08/872,843	5,899,665
U.S.	TONOMETRY SYSTEM FOR MONITORING BLOOD PRESSURE	08/848,920	5,908,027
U.S.	METHOD AND APPARATUS FOR PROTECTING A PUMP MECHANISM FROM EXTRANEIOUS FLUID	08/872,842	5,938,413
U.S.	METHOD AND APPARATUS FOR POWER CONNECTION IN A MODULAR PATIENT CARE SYSTEM	08/871,307	5,941,846
U.S.	OXIMETRY MONITORED, PATIENT CONTROLLED ANALGESIA SYSTEM	08/744,486	5,957,885
U.S.	INFUSION DEVICE WITH AUDIBLE DATA OUTPUT	09/209,978	5,961,487
U.S.	INTRAVENOUS TUBE OCCLUDER WITH PROTECTED SLIDER	08/576,188	5,967,484
U.S.	STEPPER MOTOR DRIVE CIRCUIT	08/526,468	6,016,044
U.S.	NEEDLELESS VALVE	08/929,919	6,029,946
U.S.	INFUSION DEVICE WITH OPTICAL SENSOR	09/211,223	6,110,153
U.S.	MEDICAL ADAPTER HAVING NEEDLELESS VALVE & SHARPENED CANNULA	09/197,017	6,142,446
U.S.	INFUSION DEVICE WITH DISPOSABLE ELEMENTS	09/106,292	6,146,109
U.S.	FLUID FLOW RESISTANCE MONITORING SYSTEM	08/688,673	6,158,965
U.S.	SYSTEM AND METHOD FOR INCREASED FLOW UNIFORMITY	09/128,302	6,193,480 B1
U.S.	OPEN-LOOP STEP MOTOR CONTROL SYSTEM	09/356,785	6,211,642 B1
U.S.	FLUID FLOW RESISTANCE MONITORING SYSTEM	09/148,456	6,213,972 B1
U.S.	APPARATUS AND METHOD FOR REDUCING POWER CONSUMPTION IN A PERISTALTIC PUMP	09/470,318	6,267,559 B1
U.S.	PREDICTIVE TEMPERATURE MEASUREMENT SYSTEM	09/313,911	6,270,252B1
U.S.	TONOMETRY SYSTEM FOR MONITORING BLOOD	09/321,907	6,290,650 B1

**SCHEDULE  
Issued Patents**

COUNTRY	TITLE:	APPLICATION NO.	PATENT NO.
	PRESSURE		
U.S.	THERMALLY ISOLATED PROBE FOR BIOMEDICAL APPARATUS AND METHOD OF COMMUNICATING ENERGY THERE THROUGH	08/458,010	6,332,090B1
U.S.	NEEDLELESS VALVE	09/480,373	6,290,206 B1
U.S.	FORCE SENSOR ASSEMBLY FOR AN INFUSION PUMP	09/514,532	6,347,553
U.S.	POWER MANAGEMENT SYSTEM	09/516,011	6,348,777
U.S.	CLOSED LOOP SYSTEM AND METHOD FOR HEATING A PROBE	09/313,824	6,355,916 B1
U.S.	UPSTREAM OCCLUSION DETECTION SYSTEM	09/178,714	6,358,225 B1
U.S.	SYSTEM AND METHOD FOR INCREASED FLOW UNIFORMITY	09/794,539	6,394,771 B2
U.S.	MEDICAL DEVICE INTERFACE SYSTEM	09/444,328	6,407,335
U.S.	FLUID FLOW RESISTANCE MONITORING SYSTEM	09/602,831	6,416,291
U.S.	SYRINGE PLUNGER SYSTEM AND METHOD	09/362,970	6,428,509 B1
U.S.	CO-EXTRUDED TUBING	09/777,308	6,431,219 B1
U.S.	THERMOMETER PROBE FOR USE WITH DISPOSABLE PROBE COVER	09/261,611	6,461,037B1
U.S.	CLOSED LOOP SYSTEM AND METHOD FOR HEATING A PROBE	10/080,011	6,495,806B2
U.S.	MEDICAL FLUID CONNECTOR	29/151,255	D468,016
U.S.	NEEDLELESS VALVE	09/911,133	6,541,802
U.S.	BURETTE SAFETY VALVE	09/777,788	6,554,806
U.S.	SYSTEM AND METHOD FOR COLLECTING DATA AND MANAGING PATIENT CARE	10/236,368	6,731,989
U.S.	OPEN-LOOP STEP MOTOR CONTROL SYSTEM	09/771,068	6,750,627

Updated 7/08/2004

58595.1

## RELEASE OF SECURITY INTERESTS

THIS RELEASE, effective as of July 7, 2004, is made by Citicorp North America, Inc., a Delaware corporation having its corporate offices at 390 Greenwich Street, First floor, New York, New York 10013, U.S.A., as Administrative Agent (the "Administrative Agent") for the Secured Parties (as defined in that certain Credit Agreement, dated as of June 30, 2003 (as amended or otherwise modified through July 7, 2004, the "Credit Agreement"), among ALARIS, the Administrative Agent, the Lenders and Issuers party thereto and such other parties thereto), in favor of ALARIS Medical Systems, Inc., a Delaware Corporation ("ALARIS"), ALARIS Release Corporation ("ALARIS Release"), ALARIS Consent Corporation, a Delaware corporation ("ALARIS Consent"), River Medical, Inc., a Delaware corporation ("River"), IVAC Overseas Holdings, Inc. ("IVAC", together with ALARIS Release, ALARIS Consent and River, the "Subsidiaries") each having its corporate offices at Wateridge Circle, San Diego, CA 92121, U.S.A.

The Administrative Agent hereby releases any and all liens and security interests it has in the intellectual property of ALARIS and the intellectual property of the Subsidiaries, including, but not limited to, patents, patent applications, inventions, designs, design registrations, design applications, patent licenses, trademarks, trademark registrations, trademark applications, trademark licenses, associated goodwill, copyrights, copyright registrations, copyright applications, copyright licenses, works, trade secrets, and any intellectual property that may be derived or otherwise related to such intellectual property, including, but not limited to, those listed on the attached Schedules, as well as any and all liens and security interests it has in any proceeds of the intellectual property of ALARIS and the proceeds of the intellectual property of the Subsidiaries, including, but not limited to, any claim by lenders and issuers and the Administrative Agent against third parties for past, present, or future infringement, misappropriation, dilution, or injury to goodwill.

The Administrative Agent hereby authorizes and requests the governing body of any filing office to record this Release in connection with the intellectual property referenced above.

This Release may not be modified, nor may any provision hereof be waived, orally or in any manner other than by an agreement in writing signed by ALARIS and the Administrative Agent or their respective successors and assigns. All rights hereunder shall accrue to, and all obligations hereunder shall be binding upon, the heirs, representatives, successors, assigns, and transferees of the Parties hereto. This Release shall be governed by and construed in accordance with the laws of the State of New York without regard to the conflict of laws principles thereof.

[Signature Page Follows]

IN WITNESS WHEREOF, the Administrative Agent has caused this Release to be executed by its duly authorized officer.

Citicorp North America, Inc.,  
as Administrative Agent

By: 

Print Name: ALLEN FISHER

Title: VICE PRESIDENT