Sep-17-04 05:01pm From-HBS&R	1978-341-0136 T-452 P.02/05 F-150		
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To the Director of the U.S. Patent and Trademark Offic	cc: Please record the attached original documents or copy thereof.		
Name of conveying party(ies)  Shukri F. Khuri  Michael D. Crittenden  Vladimir Birjiniuk	2 Name and address of receiving party(ies)  Name THE DEPARTMENT OF VETERAN AFFAIRS  Internal Address		
Additional name(s) of conveying party(les) attached? [ ] Yes [X]No			
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4. Application number(s) or patent number(s):  A. Patent Application No.(s)	B. Patent No (s) 6,100,082 6,046,046		
Additional numbers	s attached? [ ] Yes _ [ X ] No		
Name and address of party to whom correspondence concerning document should be mailed	6. Total number of applications and patents involved: [2]		
Name: Richard W Wagner, Esq	7 Total Fee (37 C.F.R. 3.41). \$ 80.00		
Internal Address.  Hamilton, Brook, Smith & Reynolds, P.C.	Enclosed  [X] Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380		
Street Address 530 Virginia Road, P.O. Box 9133	[X] Authorization to charge deposit account number 08-0380		
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 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard W. Wagner

Name of Person Signing

Dichad W. Wagner

September 17, 2004

Total number of pages including cover sheet, attachments, and document [4]

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## ASSIGNMENT

I, Shukri F. Khuri, being a citizen of hand. S., and residing at hand, Massachuetts having been named as an inventor of certain patents and patent applications identified below, hereby assign to The Department of Veteran Affairs, 810 Vermont Avenue, Washington, DC 20005 ('VA'), my entire right, title and interest in the patents and patent applications identified below, and any patents which may be granted on said applications, or any divisional, continuing, continuation-in-part, reissue, reexamination or other applications or patents based in whole or in part thereon:

Country	Application Filing Date	Application No.	Title	Status	Comments
US	23 Sept 1997	08/936,062	Perfusion Apparatus and Methods Including Chemical Compositions for Maintaining an Organ	Issued	Patent No.: 6,100,082 August 8, 2000
US	03 April 1998	09/054,698	Compositions, Methods and Devices for Maintaining an Organ	Issued	Patent No.: 6,046,046 April 4, 2000
US	23 March 2000	09/534,092	Compositions, Methods and Devices for Maintaining an Organ	Filed	National Phase of PCT/US98/19912
PCT	23 Sept 1998	PCT/US98/19912- Publication Date: 01 April 1999 Publication No: WO99/15011	Compositions, Methods and Devices for Maintaining an Organ	Filed	CIP of US 09/054,698
EPO	23 Sept 1998	98 94 84 78.7	Compositions, Methods and Devices for Maintaining an Organ	Filed	National Phase of PCT/US98/19912
AU	23 Sept 1998	9504298	Compositions, Methods and Devices for Maintaining an Organ	Granted	Patent No.: 728233 April 19, 2001
CA	23 Sept 1998	2304598	Compositions, Methods and Devices for Maintaining an Organ	Filed	National Phase of PCT/US98/19912
JР	23 Sept 1998	2000512407	Compositions, Methods and Devices for Maintaining an Organ	Filed	National Phase of PCT/US98/19912

Shukri F. Khuri

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PATENT REEL: 015147 FRAME: 0058

## ASSIGNMENT

Country	Application Filing Date	Application No.	Title	Status	Comments
US	23 Sept 1997	08/936,062	Perfusion Apparatus and Methods Including Chemical Compositions for Maintaining an Organ	Issued	Patent No.: 6,100,082 August 8, 2000
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JÞ.	23 Sept 1998	2000512407	Compositions, Methods and Devices for Maintaining an Organ	Filed	National Phase of PCT/US98/19912

By: 7/1 CLITTILE III

Michael D. Crittenden

Dated: 27 August [2

PATENT REEL: 015147 FRAME: 0059

## ASSIGNMENT

I, Vladimir Birjiniuk, being a citizen of \_\_\_\_\_\_\_\_, and residing at \_\_\_\_\_\_\_\_, and residing at \_\_\_\_\_\_\_, have been named as inventors of certain patents and patent applications, identified below, a corporation organized and existing under the laws of the State of Delaware, United States of America, whose address is 600 West Cummings Park, Suite 3050, Woburn, MA 10801 hereby assign to The Department of Veteran Affairs, 810 Vermont Avenue, Washington, DC 20005 ('VA'), my entire right, title and interest in the patents and patent applications identified below, and any patents which may be granted on said applications, or any divisional, continuing, continuation-in-part, reissue, reexamination or other applications or patents based in whole or in part thereon:

Country	Application Filing Date	Application No.	Title	Status	Comments
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Ву: .

ladimir Birjinjuk

Dated:

2002

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**RECORDED: 09/17/2004** 

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