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(Modified) (Modified) (Modified) (Modified) (Modified) (Modified) (Modified)	U.S. DEPARTMENT OF COMMÉRCE Patent and Trademark Office	
To the Assistant Commissioner of Patents: Plea 1. Name of conveying party (ie. 1) 101	385311 sof receiving party(ies):	
Gary Howell	Name: Aksys, Ltd.	
Additional name(s) of conveying party(ies) yes no 3. Nature of conveyance:	Internal Address: Street Address: 2 Marriott Drive	
	City: Lincolnshire, State: IL ZIP: 60069	
Other	Country: USA And	
Execution Date: April 4, 2000	Name: Teijin Ltd.	
	Street Address: 6-7, Minamihommachi 1-chome	
	City: Chuo-ku, Osaka-shi State: Osaka ZIP: 541-0054	
	Country: JAPAN	
	Additional name(s) & address(es) yes no	
4. Application number(s) or registration number(s):		
If this document is being filed together with a new application	n, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
\$erial No. 09/549,897 Filed: April 14, 2000 ¢ase No.: 99,571		
Additional numbers yes no	Additional numbers yes no	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1	
Thomas A. Fairhall McDonnell Boehnen Hulbert & Berghoff 300 S. Wacker Drive Chicago, Illinois 60606 USA	7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to charge to Deposit account	
19/2000 DNGUYEN 00000187 09549897	8. Deposit account number: 13-2490	
C:581 40.00 OP DO NOT U	SE THIS SPACE	
9. Statement and Signature. To the best of my knowledge and belief, the foregoing informathe original document. Thomas A. Fairhall	nation is true and correct and any attached copy is a true copy of 5/19/00	
Name of Person Signing Signature Date Total Number of pages including cover sheet, attachments and copies: 6		

PATENT REEL: 010856 FRAME: 0198

ASSIGNMENT

Case No. 99.571

Serial No.: 09/549,897

Filing Date: April 14, 2000

Inventors:

Dilip H. Shah, Gary Howell, Kenneth E. Pawlak, Masatoshi Ozono, Wade

Fournier, Mate Alpan

Date of Execution

of Application: March 24, 2000 and april 6, 2000

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

> Aksys, Ltd. 2 Marriott Drive Lincolnshire, IL 60069

> > and

Teijin Ltd. 6-7, Minamihommachi 1-chome, Chuo-ku, Osaka -shi Osaka 541-0054 Japan

jointly as co-owners, their successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

BOTTLES FOR DIALYSIS MACHINES AND METHODS FOR AUTOMATICALLY IDENTIFYING SUCH BOTTLES

and identified as:

Case No. 99,571

in the offices of McDonnell Boehnen Hulbert & Berghoff and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignees the priority right provided by the International Convention.

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PATENT REEL: 010856 FRAME: 0199 The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignees.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignees, their successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignees, their successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignees to apply for patents for said invention or improvements in their own name in such countries where such procedure is proper and further agree, upon the request of said assignees, their successors and assigns, to cooperate to the best of the ability of the undersigned with said assignees, their successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, their successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, their successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this day of	
	Dilip H. Shah
State of	
County of	
The foregoing instrument was acknown, 2000.	wledged before me this day of
	NOTARY PUBLIC

WITNESS my hand and seal this 4 day of	Docit, 2000.
	L Should
	Gary Howell
State of	,
County of	
The foregoing instrument was acknowled, 2000.	Iged before me this day of
	NOTARY PUBLIC
	2002
WITNESS my hand and seal this day of	, 2000.
	Kenneth E. Pawlak
State of	
County of	
The foregoing instrument was acknowled, 2000.	dged before me this day of
	NOTARY PUBLIC

WITNESS my hand and seal this __day of _____, 2000. Masatoshi Ozono State of _____ County of _____ The foregoing instrument was acknowledged before me this _____ day of _____, 2000. NOTARY PUBLIC WITNESS my hand and seal this __ day of _____, 2000. Wade Fournier State of _____ County of _____ The foregoing instrument was acknowledged before me this _____ day of ______, 2000.

NOTARY PUBLIC

WITNESS my hand and seal this day	/ of, 2000.
	Mate Alpan
State of	
County of	
The foregoing instrument was acl	knowledged before me this day of
	NOTARY PURITC