PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas Wenchell	05/04/2010
Michael Ross Kessell	04/12/2010
Paul Neville Adams	04/12/2010
Stephen Lyle Weir	04/19/2010
Henry Bolanos	03/25/2010

RECEIVING PARTY DATA

Name:	Tyco Healthcare Group LP
Street Address:	60 Middletown Avenue
City:	North Haven
State/Country:	CONNECTICUT
Postal Code:	06473

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12685865	

CORRESPONDENCE DATA

Fax Number: (203)821-2183

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

203-821-4700 Phone:

Email: marian.capelli@Covidien.com

Correspondent Name: Tyco Healthcare Group LP/dba Covidien

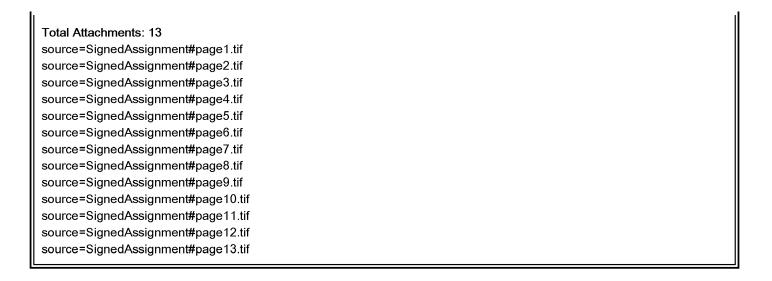
Address Line 1: 555 Long Wharf Drive

Address Line 4: NEW HAVEN, CONNECTICUT 06511

ATTORNEY DOCKET NUMBER:	H-US-01563CIP
NAME OF SUBMITTER:	Thomas C. Hughes

PATENT REEL: 024858 FRAME: 0773

501266558



PATENT REEL: 024858 FRAME: 0774 For: [X] U.S. and/or [X] Foreign Rights For: [X] U.S. Application or [] U.S. Patent By: [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS:

- 1. Thomas Wenchell
- 2. Michael Ross Kessell
- 3. Paul Neville Adams
- Stepen Lyle Weir
 Henry Bolanos

	3. Herry bolanos
was reco	(If assignment is by person or entity to whom invention was previously assigned and this orded in PTO add the following)
	Recorded on: Reel Frame
hereby s	ells, assigns and transfers to
ASSIGN	TYCO Healthcare Group LP 60 Middletown Avenue North Haven, CT 06473 USA
and the	successors, assigns and legal representatives of the ASSIGNEE
[X] the e	ntire right, title and interest
[] an und possessi	divided percent (%) interest for the United States and its territorial ons
future inf	n all foreign countries, including all rights to claim priority, the right to sue for present, past and ringement, in the United States, its territorial possessions, and in all foreign countries, including a d convention rights in and to the invention and any and all improvements entitled:
	ROTATING VALVE ASSEMBLY INCLUDING MULTI-LUMEN SPHERICAL VALVE
(a) [(b) [(c) [(d) [h is found in U.S. patent application executed on even date herewith. U.S. patent application executed on U.S. application Serial No. 12/685,865 filed on U.S. provisional application No filed on

Page 1 of 6

]] X]	and, in and to, all Letters Patent to be obtain	nce is to be sent sent sent separately. In country, including the right to claim priority need for said invention by the above application visional, renewal, or substitute thereof, and as
has been	or will	ASSIGNORS hereby covenants that no ass be made or entered into which would conflict	
Tradema	rks to i	ASSIGNORS hereby authorizes and requessue all such Letters Patent to ASSIGNEE:	sts the Commissioner of Patents and
equivaler and delive Letters Parepresent part or parightful oa	nts; to the remains attents the tatives arts the tation, I	and all papers that may be necessary or de- which may be granted therefor in said ASSIG to execute any additional or divisional appli- ereof, and for the reissue of any Letters Pater and do all lawful acts requisite for procuring the cout at the sole expense of ASSIGNEE, its su	ition and said Letters Patent and legal gation or proceeding related thereto; to execute sirable to perfect the title to said invention or any GNEE, its successors, assigns or other legal cations for patents for said invention, or any into the granted therefor; and to make all e same or for aiding therein, all without further
Serial No them.	o. and/o		d Assignee's attorneys the power to insert the on(s) after such information becomes known to
IN WITNE	ESS W	HEREOF, I/We have hereunto set hand and	seal.
WARNIN	G:	Date of signing must be the same as the dawas checked above.	ate of execution of the application if item (a)
1. Thomas V	Wench	ell .	 Dated
2. Ug Michael F	AD Ross K	essell A	12 fpm 200 pated
3. S	ille Ada	ams A	12 April 2010 Dated

4.	
Steven Lyle Weir	Dated
_	
5.	
Henry Bolanos	Dated

[X] Notarization or Legalization Page Added.

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- 1	

State of Connecticut) North Haven ss)
County of New Haven) North Haven 33)
me personally known to be the	ne person described in	, personally appeared <u>Thomas Wenchell</u> to and who executed the above instrument, and of his own free will for the purposes therein set
		Notary Public
AFFIX SEAL		
2.		
-State of -)) ss	
County of Before me this	the Ani	, 2010 , personally appeared <u>Michael Ross Kessell</u>
to me personally known to be	the person described	in and who executed the above instrument, and of his own free will for the purposes therein set
		Notary Public WILLIAM JOHN SPRING ESQ. Notary Public Hurstmere Road Takapuna, Auckland New Zealand

Page 4 of 6

to me personally know) ss) the e me this 12 day wn to be the per that he/she exec	y ofl son described	Notar Hursti Taka puna	above instrument, and
4. State of County of)))	ss		
to me personally kno	wn to be the per	son described	, personally appeared in and who executed the a e of his own free will for the	above instrument, and
			Notary Public	

Page 5 of 6

(f) [] (g) [] (h) [X]	PCT application Nofiled onA change of address to which correspondence regarding patent maintenance fees is being set and any legal equivalent thereof in a foreign coand, in and to, all Letters Patent to be obtained or any continuation, continuation-in-part, division to letters patent any reissue or re-examination	is to be sent nt separately. buntry, including the right to claim priority I for said invention by the above application onal, renewal, or substitute thereof, and as
has been or	ASSIGNORS hereby covenants that no assign will be made or entered into which would conflict w	ment, sale, agreement or encumbrance vith this assignment;
Trademarks	ASSIGNORS hereby authorizes and requests to issue all such Letters Patent to ASSIGNEE:	the Commissioner of Patents and
equivalents; and deliver a Letters Pate representati part or parts	ASSIGNORS further covenants to promptly pro- accessible to ASSIGNORS relating to said invention ; to testify as to the same in any interference, litigating any and all papers that may be necessary or desiral ents which may be granted therefor in said ASSIGN ives; to execute any additional or divisional applicate is thereof, and for the reissue of any Letters Patents are and do all lawful acts requisite for procuring the son, but at the sole expense of ASSIGNEE, its successives.	n and said Letters Patent and legal on or proceeding related thereto; to execute able to perfect the title to said invention or any EE, its successors, assigns or other legal ions for patents for said invention, or any to be granted therefor; and to make all ame or for aiding therein, all without further
Serial No. a them.	ASSIGNORS hereby grants ASSIGNEE and A and/or filing date of the above-described application	assignee's attorneys the power to insert the (s) after such information becomes known to
IN WITNES	S WHEREOF, I/We have hereunto set hand and se	eal.
WARNING:	Date of signing must be the same as the date was checked above.	of execution of the application if item (a)
1. Thomas We	enchell	Dated
2. Michael Ros	ss Kessell	Dated
3. Paul Neville	e Adams	 Dated

Page 2 of 6

4. Steven Lyle Weir	
5.	Dated
Henry Bolanos	Dated

[X] Notarization or Legalization Page Added.

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	3. Werd To a will State of Mine of Sold	
	County of)	Toppersonally appeared Paul Neville Adams
	to me personally known to be the person describe	ed in and who executed the above instrument, and the of his own free will for the purposes therein set
		Notary Public
	AFFIX SEAL	
	4. New Lealm State of Sound State of S	
who is	to me personally known to be the person describe acknowledged to me that he/she executed the same	personally appeared Steven Lyle Weir d in and who executed the above instrument, and he of his own free will for the purposes therein set
	forth.	both be neme
		NoRespert Francis Lawrence Notary Public Dunedin, New Zealand

(f) (g)	[]	PCT application Nofiled on A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(h)	[X]	and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof
has be	en or wi	ASSIGNORS hereby covenants that no assignment, sale, agreement or encumbrance ll be made or entered into which would conflict with this assignment;
Trade	marks to	ASSIGNORS hereby authorizes and requests the Commissioner of Patents and issue all such Letters Patent to ASSIGNEE:
equivalent and del Letters repres part or rightfu compe	lents; to eliver any Patents entatives parts the loaths a	ASSIGNORS further covenants to promptly provide all pertinent facts and documents ressible to ASSIGNORS relating to said invention and said Letters Patent and legal testify as to the same in any interference, litigation or proceeding related thereto; to execute and all papers that may be necessary or desirable to perfect the title to said invention or any which may be granted therefor in said ASSIGNEE, its successors, assigns or other legal so; to execute any additional or divisional applications for patents for said invention, or any ereof, and for the reissue of any Letters Patents to be granted therefor; and to make all and do all lawful acts requisite for procuring the same or for aiding therein, all without further but at the sole expense of ASSIGNEE, its successors, assigns, or other legal sections.
Serial them.	No. and/	ASSIGNORS hereby grants ASSIGNEE and Assignee's attorneys the power to insert the or filing date of the above-described application(s) after such information becomes known to
IN WIT	NESS V	VHEREOF, I/We have hereunto set hand and seal.
WARN	IING:	Date of signing must be the same as the date of execution of the application if item (a) was checked above.
1. Thoma	as Wench	Multiple S/9/18 Dated
2. Michae	el Ross k	Kessell Dated
3. Paul N	eville Ad	ams Dated

Page 2 of 6

4.	
Steven Lyle Weir	Dated
5. Henry Bolano	3/25/2010 Dated

[X] Notarization or Legalization Page Added.

State of Connecticut) North Haven ss)	
County of New Haven)	
Before me me personally known to b acknowledged to me that I forth.	this day of	in and who executed the above instructed of his own free will for the purpos	enchell to ment, and es therein set
		Justan J Jich Notary Public	<u> </u>
AFFIX SEAL		SUSAN S. RICKARD NOTARY PUBLIC MY COMMISSION EXPIRES AUG. 31, 2011	
2.			
State of)		
County of) ss)		
to the personally known to	be the person described	, personally appeared <u>Michael Ro</u> in and who executed the above instr- of his own free will for the purposes	una ont ond
		Notary Public	_

Page 4 of 6

3. State of)) ss				
County of)				
to me personal acknowledged forth.	ly known to be	the person	described	in and who exe	ecuted the abo	Neville Adams ve instrument, and urposes therein se
				Notary	Public	
AFFIX SEAL						
4. State of)				
County of)	SS			
to me personal acknowledged forth.	Before me this lly known to be to me that he/s	the person	described	in and who exe	ecuted the abo	ven Lyle Weir ve instrument, and ourposes therein se
				Notary	Public	

Page 5 of 6

5. State of Connecticut) County of NewHaven) ss	NORTH HAVEN
me personally known to be the person describe	ed in and who executed the above instrument, and same of his own free will for the purposes therein set August Augu

AFFIX SEAL

RECORDED: 08/19/2010

SUSAN S. RICKARD NOTARY PUBLIC MY COMMISSION EXPIRES AUG. 31, 2011

Page 6 of 6