Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard Braga	09/04/2008
Mark Callahan	09/08/2008
Todd Chelak	09/04/2008
Brett Haarala	09/05/2008

RECEIVING PARTY DATA

Name:	Tyco Healthcare Group LP	
Street Address:	15 Hampshire Street	
City:	Mansfield	
State/Country:	MASSACHUSETTS	
Postal Code:	02048	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12206391

CORRESPONDENCE DATA

(508)261-6225 Fax Number:

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

Phone: 508-261-8513

Email: iplegalus@covidien.com Elizabeth A. O'Brien, Esq. Correspondent Name: Address Line 1: 15 Hampshire Street

Address Line 4: Mansfield, MASSACHUSETTS 02048

ATTORNEY DOCKET NUMBER:	HKN-01007
NAME OF SUBMITTER:	Elizabeth A. O'Brien

Total Attachments: 5

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REEL: 021506 FRAME: 0129

PATENT 500643027

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PATENT

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 ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (Inventor(s) or person(s) or entity(es) who own the invention)	Richard BRAGA Mark CALLAHAN Todd CHELAK Brett HAARALA		
hereby sells, assigns and transfers to			
ASSIGNEE:	Tyco Healthcare Group LP (Type or print name of ASSIGNEE) 15 Hampshire Street Address		
	Mansfield, MA 02048		
	USA Nationality		
and the successors, assigns and legal represe	ntatives of the ASSIGNEE		
[X] the entire right, title and interest			
[] an undivided percent (%) interest for the United States and its territorial possessions			
[X] and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:			
TUNNELING SYSTEM			
(title of invention)			
and which is found in			
(b) [1] U.S. patent application ex	ecuted on even date herewith. ecuted on		

(f)	[]	PCT application No. PC filed on				
	[]	A change of address to v	which correspondence is to be sent regarding ance fees is being sent separately.			
(g)	[X]	[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.				
		ereby covenants that no ass ch would conflict with this	signment, sale, agreement or encumbrance has been or will be n s assignment;	nade or		
and do- accessi and will affiday	cuments i ble to AS Il prompt its requir	relating to said invention a SIGNOR and will testify a ly execute and deliver to A ed to apply for, obtain, ma	GNEE will, upon its request, be provided promptly with all pert and said Letters Patent and legal equivalents as may be known at as to the same in any interference, litigation or proceeding related ASSIGNEE or its legal representatives any and all papers, instrumentain, issue and enforce said application, said invention and said may be necessary or desirable to carry out the purposes thereof.	nd ed thereto ments or id Letters		
IN W	ITNESS	WHEREOF, I/We have he	ereunto set hand and seal this (Date of signing).			
WARNI	NG:	Date of signing must be the sai	me as the date of execution of the application if item (a) was checked above.			
Pic		Braga	<u>4-320-08</u> Dated			
	Mark C	CALLAHAN	Dated			
	Todd C	CHELAK	Dated			
	Brett H	AARALA	Dated			
If ASS	IGNOR i	s a legal entity complete th	ne following information			
			print the name of the above person zed to sign on behalf of ASSIGNOR			
		Title				
NOTE:			n is necessary. If the assignment is notarized or legalized then it will only be primext page if notarization is desired.	na facie		
		[] No	otarization or Legalization Page Added.			

(f)	[]	PCT application No. PCT/filed on	US		
	[]	A change of address to whi	ch correspondence is to be sent regarding e fees is being sent separately.		
(g)	(g) [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 paten any reissue or re-examination thereof.				
		ereby covenants that no assign ich would conflict with this as	nment, sale, agreement or encumbrance has been or will be made or ssignment;		
and do access and wi affiday Patent	cuments : ible to AS Il prompt vits requir and said	relating to said invention and SSIGNOR and will testify as to ly execute and deliver to ASS and to apply for, obtain, maintage quivalents thereof which may	SEE will, upon its request, be provided promptly with all pertinent facts said Letters Patent and legal equivalents as may be known and to the same in any interference, litigation or proceeding related thereto SIGNEE or its legal representatives any and all papers, instruments or ain, issue and enforce said application, said invention and said Letters y be necessary or desirable to carry out the purposes thereof.		
IN W	TTNESS	WHEREOF, I/We have hereu	unto set hand and seal this (Date of signing).		
WARN	ING:	Date of signing must be the same a	as the date of execution of the application if item (a) was checked above.		
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	Richar	d BRAGA	Dated		
		Uzll	5 art 8 08		
	[*] Mark (CALLAHAN	Dåted '		
	Todd C	CHELAK	Dated		
	Brett H	IAARALA	Dated		
If ASS	IGNOR i	s a legal entity complete the f	ollowing information		
			nt the name of the above person to sign on behalf of ASSIGNOR		
		Title			
NOTE;	No witne evidence	essing, notarization or legalization is n of execution 35 USC 261. Use next	necessary. If the assignment is notarized or legalized then it will only be prima facie page if notarization is desired.		
		[] Notariz	zation or Legalization Page Added.		

(f)	[]	PCT application No. PCT/U filed on .	S		
	[]	A change of address to which	h correspondence is to be sent regarding fees is being sent separately.		
(g)	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.				
		ereby covenants that no assignr ch would conflict with this ass	nent, sale, agreement or encumbrance has been or will be made or ignment;		
and doc accessi and wil affiday	cuments r ble to AS I promptl its require	elating to said invention and sa SIGNOR and will testify as to ly execute and deliver to ASSI ed to apply for, obtain, maintai	EE will, upon its request, be provided promptly with all pertinent facts aid Letters Patent and legal equivalents as may be known and the same in any interference, litigation or proceeding related thereto GNEE or its legal representatives any and all papers, instruments or in, issue and enforce said application, said invention and said Letters be necessary or desirable to carry out the purposes thereof.		
IN W	ITNESS	WHEREOF, I/We have hereur	nto set hand and seal this (Date of signing).		
WARNI	NG:	Date of signing must be the same as	the date of execution of the application if item (a) was checked above.		
	Richard	I BRAGA	Dated		
	Mark C	CALLAHAN	Dated		
		Cheld CHELAK	45ep 08 Dated		
	Brett H	AARALA	Dated		
If ASSI	GNOR is	s a legal entity complete the fo	llowing information		
			the name of the above person sign on behalf of ASSIGNOR		
		Title			
NOTE:		ssing, notarization or legalization is need of execution 35 USC 261. Use next page	cessary. If the assignment is notarized or legalized then it will only be prima facie age if notarization is desired.		
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(1)	ĹĴ	filed on	No. PCT/US			
	[]	A change of add	ress to which correspondence is to be sent regarding naintenance fees is being sent separately.			
(g)	(g) [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.					
			at no assignment, sale, agreement or encumbrance has been or will be made or with this assignment;			
and do accessi and wi affiday	cuments ible to As Il prompt rits requir	relating to said inve SSIGNOR and will ly execute and deli ed to apply for, obt	at ASSIGNEE will, upon its request, be provided promptly with all pertinent facts ention and said Letters Patent and legal equivalents as may be known and testify as to the same in any interference, litigation or proceeding related thereto wer to ASSIGNEE or its legal representatives any and all papers, instruments or tain, maintain, issue and enforce said application, said invention and said Letters which may be necessary or desirable to carry out the purposes thereof.			
IN W	ITNESS	WHEREOF, I/We	have hereunto set hand and seal this (Date of signing).			
WARNI	NG:	Date of signing must	be the same as the date of execution of the application if item (a) was checked above.			
<u></u>	Richar	i BRAGA	Dated			
	Mark (CALLAHAN	Dated			
- Ci	Todd O Brett H	MELAK AARALA	Dated 9/5/08 Dated			
If ASS.	IGNOR i	s a legal entity com	plete the following information			
			Type or print the name of the above person authorized to sign on behalf of ASSIGNOR			
			Title			
NOTE:	NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.					
	[] Notarization or Legalization Page Added.					

RECORDED: 09/10/2008