

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2869533

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
LIFETECH SCIENTIFIC (HONG KONG) CO., LTD.	05/23/2014
DINOVA VENTURE PARTNERS LP II, L.P.	05/23/2014
TIP-BRONCUS LIMITED	05/23/2014
AETHER CORPORATE LIMITED	05/23/2014

RECEIVING PARTY DATA

Name:	BRONCUS MEDICAL INC.
Street Address:	1400 N. SHORELINE BLVD.
Internal Address:	UNIT A8
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 56

Property Type	Number
Application Number:	13908187
Application Number:	12861795
Application Number:	12884735
Application Number:	13105710
Application Number:	13107471
Application Number:	61864480
Application Number:	09633651
Application Number:	09908008
Application Number:	12939956
Application Number:	09947144
Application Number:	09946706
Application Number:	10080344
Application Number:	10079605
Application Number:	11562947
Application Number:	11357244
Application Number:	13670284
Application Number:	09947126

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Property Type	Number
Application Number:	10615491
Application Number:	12191169
Application Number:	10895010
Application Number:	10894876
Application Number:	11335263
Application Number:	11335040
Application Number:	13664862
Application Number:	12939961
Application Number:	12323198
Application Number:	11772807
Application Number:	12350785
Application Number:	12856268
Application Number:	11538950
Application Number:	12939968
Application Number:	12469614
Application Number:	12406018
Application Number:	13557092
Application Number:	13660958
Application Number:	12027795
Application Number:	13107720
Application Number:	13107759
Application Number:	13470069
Application Number:	13469805
Application Number:	12776978
Application Number:	13965886
Application Number:	08887206
Application Number:	11437230
Application Number:	13022241
Application Number:	13297967
Application Number:	11437229
Application Number:	12834076
Application Number:	12022620
Application Number:	12018953
Application Number:	12866758
Application Number:	12344040
Application Number:	13362123
Application Number:	13016093
Application Number:	13362252
Application Number:	10894647

PATENT

CORRESPONDENCE DATA**Fax Number:** (214)200-0853*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 214-651-5000**Email:** ipdocketing@haynesboone.com**Correspondent Name:** HAYNES AND BOONE, LLP - IP SECTION**Address Line 1:** 2323 VICTORY AVENUE**Address Line 2:** SUITE 700**Address Line 4:** DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	51332.2
NAME OF SUBMITTER:	GARY J. EDWARDS
SIGNATURE:	/Gary J. Edwards/
DATE SIGNED:	05/23/2014

Total Attachments: 12

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SECURITY AGREEMENT COLLATERAL RELEASE

This Security Agreement Collateral Release (this “**Release**”) is made and effective as of May 23, 2014, by the undersigned secured parties (“**Secured Parties**”), for the benefit of Broncus Medical Inc., a California corporation (the “**Company**”).

RECITALS

WHEREAS, Company and the Secured Parties are parties to a Security Agreement dated as of September 16, 2013 as amended and restated as of January 9, 2014 (the “**Security Agreement**”);

WHEREAS, The Secured Parties for the Security Agreement are LifeTech Scientific (Hong Kong) Co., Ltd., a Hong Kong company; Dinova Venture Partners LP II, L.P., a Cayman Islands limited partnership; Tip-Broncus Limited, a BVI company and Aether Corporation Limited, a Hong Kong company.

WHEREAS, pursuant to the Security Agreement and the Restated Security Agreement, the Company granted the Secured Parties, a lien and a security interest in all the present and future rights, title, and interest the Company had or acquired in certain intellectual property (“**Intellectual Property Collateral**”); and

WHEREAS, Company has requested that the Secured Parties release all interests it may have in the items of Intellectual Property Collateral (collectively, the “**Released Collateral**”) under the Security Agreement, as listed on the attached Exhibit A;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, The Secured Parties hereby agree as follows:

Release

The Secured Parties hereby release all interests they may have in and to the Released Collateral under the Security Agreement, including, but not limited to, confirming that the Security Agreement rights thereby granted have ceased and are void, and the entire right, title and interest in the Released Collateral have been reassigned, reverted to and vested in the Company.

EXECUTED as of the date first written above.

LifeTech Scientific (Hong Kong) Co., Ltd.

By: Xie Yuehui
Name: Xie Yuehui
Title: Director

Dinova Venture Partners LP II, L.P.

By: Dinova Venture Partners GP II, L.P.
its general partner

By: Dinova Venture Partners Limited
its general partner

By: _____
Name: Mark Maciejewski
Title: Director

TIP-Broncus Limited

By: _____
Name: Yu Fan
Title: Director

Aether Corporate Limited

By: _____
Name: Lin Yunfeng Kevin
Title: Director

EXECUTED as of the date first written above.

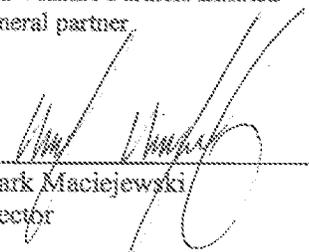
LifeTech Scientific (Hong Kong) Co., Ltd.

By: _____
Name: Xie Yuehui
Title: Director

Dinova Venture Partners LP II, L.P.

By: Dinova Venture Partners GP II, L.P.
its general partner

By: Dinova Venture Partners Limited
its general partner

By:  _____
Name: Mark Maciejewski
Title: Director

TIP-Broncus Limited

By: _____
Name: Yu Fan
Title: Director

Aether Corporate Limited

By: _____
Name: Lin Yunfeng Kevin
Title: Director

EXECUTED as of the date first written above.

LifeTech Scientific (Hong Kong) Co., Ltd.

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its general partner
By: Dinova Venture Partners Limited
its general partner

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Name: Mark Maciejewski
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Aether Corporate Limited

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By: Dinova Venture Partners GP II, L.P.
its general partner
By: Dinova Venture Partners Limited
its general partner

By: _____
Name: Mark Maciejewski
Title: Director

TIP-Broncus Limited

By: _____
Name: Yu Fan
Title: Director

Aether Corporate Limited

By:  _____
Name: Lin Yunfeng Kevin
Title: Director

EXHIBIT A

INTELLECTUAL PROPERTY

Patents

PATENT #	APP #	TITLE	STATE	STATUS
	13/908187	Automated Fiducial Marker Planning Method	US	PENDING
8,468,003	12/861795	Automated Fiducial Marker Planning System and related methods	US	ISSUED
	201080050291.5	SYSTEM AND METHOD FOR DETERMINING AIRWAY DIAMETER USING ENDOSCOPE	China	PENDING
	12/884,735	SYSTEM AND METHOD FOR DETERMINING AIRWAY DIAMETER USING ENDOSCOPE	US	PENDING
	13/105710	Fluoroscopy-based surgical device tracking method and system	US	PENDING
	13/107471	Surgical Assistance Planning Method using lung motion analysis	US	PENDING
	PCT/US12/47853	SYSTEM AND METHOD FOR AUTOMATICALLY DETERMINING CALIBRATION PARAMETERS OF A FLUOROSCOPE	PCT	PENDING
	61/864,480	METHOD TO REGISTER 3D IMAGE WITH FLUOROSCOPIC IMAGES OF CHEST INCLUDING RIBS AND SPINE	US	PENDING
6,692,494	09/633,651	METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	US	ISSUED
EP 1143864 B1		METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	DE	ISSUED - in process of being abandoned
	3024162.4	METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	EP	
EP 1143864 B1		METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	GB	ISSUED - in process of being abandoned
6,629,951	09/908,008	DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	US	ISSUED
	12/939,956	METHODS FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE	US	PENDING
7,175,644	09/947,144	DEVICES AND METHODS FOR MAINTAINING COLLATERAL CHANNELS IN TISSUE	US	ISSUED
6,749,606	09/946,706	DEVICES FOR CREATING COLLATERAL CHANNELS	US	ISSUED

7,422,563	10/080,344	MULTIFUNCTIONAL TIP CATHETER FOR APPLYING ENERGY TO TISSUE AND DETECTING THE PRESENCE OF BLOOD FLOW (AS AMENDED)	US	ISSUED	
7,022,088	10/079,605	DEVICES FOR APPLYING ENERGY TO TISSUE	US	ISSUED	
	11/562,947	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	US	PENDING	
7,393,330	11/357,244	ELECTROSURGICAL DEVICE HAVING HOLLOW TISSUE CUTTING MEMBER AND TRANSDUCER ASSEMBLY (AS AMENDED)	US	ISSUED	
	13/670,284	ULTRASOUND CATHETERS FOR SENSING BLOOD FLOW	US	PENDING	
6,712,812	09/947,126	DEVICES FOR CREATING COLLATERAL CHANNELS	US	ISSUED	
7,422,584	10/615,491	EXTRAPLEURAL AIRWAY DEVICE AND METHOD	US	ISSUED	
8,506,648	12/191,169	EXTRAPLEURAL AIRWAY DEVICE AND METHOD	US	ISSUED	
7,462,162	10/895,010	ANTIPROLIFERATIVE DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN A BODY ORGAN (AS AMENDED)	US	ISSUED	
7,708,712		METHODS AND DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN A BODY ORGAN			
7,815,590	10/894,876	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	ISSUED	
8,308,682	11/335,263	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	ISSUED	
	PCT/US04/23304 EP04778682	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	EP	PENDING	
8,002,740	11/335,040	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	ISSUED	
	13/664,862	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	PENDING	
	12/939961	DEVICES FOR MAINTAINING SURGICALLY CREATED OPENINGS	US	PENDING	
	12/323,198	DEVICES FOR CREATING PASSAGES AND SENSING BLOOD VESSELS	US	PENDING	
7,517,320	11/772,807	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	ISSUED	
	PCT/US07/72692 7799262.6	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING			
	2009-518608	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	JP	PENDING	
7,985,187	12/350,785	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	ISSUED	

	12/856,268	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	PENDING	
8,409,167	11/538,950	DEVICES FOR DELIVERING SUBSTANCES THROUGH AN EXTRA-ANATOMIC OPENING CREATED IN AN AIRWAY	US	ISSUED	
	12/939,968	DEVICES FOR DELIVERING SUBSTANCES THROUGH AN EXTRA-ANATOMIC OPENING CREATED IN AN AIRWAY	US	PENDING	
	12/469,614	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	US	PENDING	
	EP 07864246.9	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	DE	ISSUED	
	EP 07864246.9	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS			
	EP 07864246.9	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	FR	ISSUED	
	EP 07864246.9	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	GB	ISSUED	
8,235,908	12/406,018	BLOOD VESSEL SENSING CATHETER HAVING WORKING LUMEN FOR MEDICAL APPLIANCES	US	ISSUED	
	13/557,092	BLOOD VESSEL SENSING CATHETER HAVING WORKING LUMEN FOR MEDICAL APPLIANCES	US	PENDING	
	13/660,958	METHODS FOR MAINTAINING THE PATENCY OF COLLATERAL CHANNELS IN THE LUNGS USING CRYO-ENERGY	US	PENDING	
	12/027,795	PUNCTURE RESISTANT CATHETER FOR SENSING VESSELS AND FOR CREATING PASSAGES IN TISSUE	US	PENDING	
		METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL			
	13/107720	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING	
	13/107759	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING	
	13/470,069	METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE	US	PENDING	
		METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE			
	13/469,805	METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE	US	PENDING	

		METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE			
		METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE			
	PCT/US2012/066119	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	PCT	PENDING	
8,517,955	12/776,978	TISSUE SAMPLING DEVICES, SYSTEMS AND METHODS	US	ISSUED	
	13/965,886	TISSUE SAMPLING DEVICES, SYSTEMS AND METHODS	US	PENDING	
5,957,919	08/887,206	BLEB REDUCER	US	ISSUED	
7,889,905	11/437,230	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	US	ISSUED	LICENSED
8,064,669	13/022,241	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	US	ISSUED	LICENSED
	13/297,967	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	US	PENDING	LICENSED
	PCT/US06/19927 EP 01889204	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	EP	PENDING	LICENSED
	8103606.2	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	HK	PENDING	LICENSED
	2008-541860	A Fast 2D-3D Image Registration Method with Application to Continuously Guided Endoscopy	JP	PENDING	LICENSED
7,756,563	11/437,229	Guidance Method Based on 3D-2D Pose Estimation and 3D-CT Registration with Application to Live Bronchoscopy	US	ISSUED	LICENSED
	12/834,076	Method Based on 3D-2D Pose Estimation and 3D-CT Registration with Application to Live Bronchoscopy	US	PENDING	LICENSED
	PCT/US06/19926 EP 01887931	Method Based on 3D-2D Pose Estimation and 3D-CT Registration with Application to Live Bronchoscopy	EP	PENDING	LICENSED
	8103607.1	3D-2D Pose Estimation and 3D-CT Registration with Application to Live Bronchoscopy	HK	PENDING	LICENSED
	2008-541859	Method Based on 3D-2D Pose Estimation and 3D-CT Registration with Application to Live Bronchoscopy	JP	PENDING	LICENSED
	PCT/US08/52589 8728657.1 (EP2109391)	METHOD AND APPARATUS FOR CONTINUOUS GUIDANCE OF ENDOSCOPY	EP	PENDING	LICENSED
	2009-548443				LICENSED
	12/022,620	METHOD AND APPARATUS FOR CONTINUOUS GUIDANCE OF ENDOSCOPY	US	PENDING	LICENSED
	PCT/US08/52661 8714148.7	METHODS AND APPARATUS FOR 3D ROUTE PLANNING THROUGH HOLLOW ORGANS	EP	PENDING	LICENSED

	2009-548448	METHODS AND APPARATUS FOR 3D ROUTE PLANNING THROUGH HOLLOW ORGANS	JP	PENDING	LICENSED
	12/018,953	METHODS AND APPARATUS FOR 3D ROUTE PLANNING THROUGH HOLLOW ORGANS	US	PENDING	LICENSED
	PCT/US09/34197 9795892	MEDICAL IMAGE REPORTING SYSTEM AND METHOD	EP	PENDING	LICENSED
	12/866,758	MEDICAL IMAGE REPORTING SYSTEM AND METHOD	US	PENDING	LICENSED
	12/344,040	PRECISE ENDOSCOPIC PLANNING AND VISUALIZATION	US	PENDING	LICENSED
	13/362,123	Method and Device for Determining the Location of an Endoscope	US	PENDING	LICENSED
	TBD	Method and Device for Determining the Location of an Endoscope	EP	PENDING	LICENSED
	11737714.3	Image-based Global Registration System and Method Applicable to Bronchoscopy Guidance	EP	PENDING	LICENSED
	13/016,093	Image-based Global Registration System and Method Applicable to Bronchoscopy Guidance	US	PENDING	LICENSED
	2012-551312	Image-based Global Registration System and Method Applicable to Bronchoscopy Guidance	JP	PENDING	LICENSED
	201180017623.4	Image-based Global Registration System and Method Applicable to Bronchoscopy Guidance	CN	PENDING	LICENSED
	13/362,252	Global and semi-global Registration for image-based Bronchoscopy Guidance	US	PENDING	LICENSED
	TBD	Global and semi-global Registration for image-based Bronchoscopy Guidance	EP	PENDING	LICENSED

Trademarks

Trademark	Number	Date	Location
EXHALE	2810885	2/3/2004	US
"B logo"	2833083	4/13/2004	US
BRNCUS	2845076	5/25/2004	US
LUNGPOINT	3724031	12/8/2009	US
FLEXNEEDLE	3955908	5/3/2011	US
LUNGPOINT	8494825	2/17/2010	EU
LUNGPOINT	5288947	12/18/2009	Japan
EXHALE	TMA653460	11/24/2005	Canada
ARCHIMEDES	86019848	7/25/2013	US

Domain Names

airwaybypass.com
bronchus.com
broncus.co
broncus.com
flexneedle.com
flexneedle.net
lungpoint.com
lungpoint.net
spnregistry.com
spnregistry.org
BRNCUS.CN

Licenses

License Agreement with The Penn State Research Foundation effective as of June 12, 2008, as amended