

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRONCUS TECHNOLOGIES, INC.	06/08/2012
RECEIVING PARTY DATA	
Name:	BRONCUS MEDICAL INC.
Street Address:	125 NICHOLSON LANE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15345297
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ATTORNEY DOCKET NUMBER:	BRON-N-E017.04-US (2/2)
NAME OF SUBMITTER:	SANJAY S. BAGADE
SIGNATURE:	/Sanjay S. Bagade/
DATE SIGNED:	11/07/2016
Total Attachments: 7	
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PATENT ASSIGNMENT

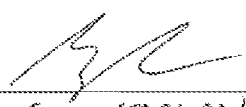
WHEREAS, Broncus Technologies, Inc. ("Assignor"), a California corporation, located at 1400 N Shoreline Blvd, Suite A8, Mountain View, CA 94043, is the owner of the patent applications identified on the attached Schedule ("Patents"), and

WHEREAS, Broncus Medical Inc. ("Assignee"), a California corporation, located at 1400 N Shoreline Blvd, Suite A8, Mountain View, CA 94043, is desirous of acquiring all right, title, and interest in and to said Patents, including the goodwill attached thereto and the registrations therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns unto Assignee throughout the universe in perpetuity, all of Assignor's right, title and interest in and to said Patents, together with the goodwill connected with the use of and symbolized by said Patents as well as causes of action, currently owned or hereinafter acquired, for any and all previously occurring infringements of the rights being assigned and the right to receive and retain the proceeds relating to those infringements. Assignee shall have the unfettered right to further license, assign or transfer any or all of the rights granted hereunder. Each of Assignor and Assignee shall execute and deliver, or cause to be executed and delivered, from time to time hereafter, upon request, all such further documents and instruments and shall do and perform all such acts as may be reasonably necessary or reasonably desirable to give full effect to the intent of this Patent Assignment. This Patent Assignment shall be governed by and construed in accordance with the internal laws of the State of California.

IN WITNESS WHEREOF, Assignor has executed this instrument on the 8TH day of June, 2012.

BRONCUS TECHNOLOGIES, INC.

By: 
Name: Amy KAPLAN
Title: C.O.O.

Patents Schedule

MATTER #	PATENT #	APP #	TITLE	COUNTRY	STATUS
BRON-N-E001.00-AU-1	AU 2005202552 C1		METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	AU	ISSUED
BRON-N-E001.00-DE	EP 1143864 B1		METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	DE	ISSUED
BRON-N-E001.00-GB	EP 1143864 B1		METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	GB	ISSUED
BRON-N-E004.02-DE	60328973.8-08		DEVICES FOR APPLYING ENERGY TO TISSUE	DE	ISSUED
BRON-N-E004.02-FR	1485033		DEVICES FOR APPLYING ENERGY TO TISSUE	FR	ISSUED
BRON-N-E004.02-GB	1485033		DEVICES FOR APPLYING ENERGY TO TISSUE	GB	ISSUED
BRON002PCT		PCT/US10/49313	SYSTEM AND METHOD FOR DETERMINING AIRWAY DIAMETER USING ENDOSCOPE	WO	PUBLISHED
BRON-N-E001.00-EP-2		3024162.4	METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	EP	PUBLISHED
BRON-N-E008.01-EP		PCT/US04/23304 EP04778682	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	EP	PUBLISHED
BRON-N-E008.02-EP		PCT/US04/23305 EP04778683	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	EP	PUBLISHED
BRON-N-E014.00-EP		PCT/US07/72692 7799262.6	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	EP	PUBLISHED
BRON-N-E014.00-JP		2009-518608	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	JP	PUBLISHED
BRON-N-E019.00-EP		PCT/US07/84330 7864246.9 (EP2091439)	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	EP	PUBLISHED
BRON-N-E019.00-JP		2009-538447	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	JP	PUBLISHED
E1.00	6,692,494	09/633,651	METHODS AND DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	US	ISSUED
E1.02	6,629,951	09/908,008	DEVICES FOR CREATING COLLATERAL CHANNELS IN THE LUNGS	US	ISSUED

MATTER #	PATENT #	APP #	TITLE	COUNTRY	STATUS
E14.00	7,517,320	11/772,807	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	ISSUED
E14.01	7,985,187	12/350,785	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	ISSUED
E2.00	7,175,644	09/947,144	DEVICES AND METHODS FOR MAINTAINING COLLATERAL CHANNELS IN TISSUE	US	ISSUED
E4.00	6,749,606	09/946,706	DEVICES FOR CREATING COLLATERAL CHANNELS	US	ISSUED
E4.01	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
E4.02	7,022,088	10/079,605	DEVICES FOR APPLYING ENERGY TO TISSUE	US	ISSUED
E4.06	7,393,330	11/357,244	ELECTROSURGICAL DEVICE HAVING HOLLOW TISSUE CUTTING MEMBER AND TRANSDUCER ASSEMBLY (AS AMENDED)	US	ISSUED
E5.00	6,712,812	09/947,126	DEVICES FOR CREATING COLLATERAL CHANNELS	US	ISSUED
E6.00	7,422,584	10/615,491	EXTRAPLEURAL AIRWAY DEVICE AND METHOD	US	ISSUED
E7.02	7,462,162	10/895,010	ANTIPROLIFERATIVE DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN A BODY ORGAN (AS AMENDED)	US	ISSUED
E7.03	7,708,712	10/894,647	METHODS AND DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN A BODY ORGAN	US	ISSUED
E8.00	7,815,590	10/894,876	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	ISSUED
E8.02	8,002,740	11/335,040	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	ISSUED
P4.00	5,957,919	08/887,206	BLEEB REDUCER	US	ISSUED
BRON001US		12/861795	Automated Fiducial Marker Planning System and	US	PUBLISHED

MATTER #	PATENT #	APP #	TITLE	COUNTRY	STATUS
BRON003US		13/105710	related methods Fluoroscopy-based surgical device tracking method and system	US	PENDING
BRON004US		13/107471	Surgical Assistance-Planning Method using lung motion analysis	US	PENDING
BRON005PRV		61/511028	SYSTEM AND METHOD FOR AUTOMATICALLY DETERMINING CALIBRATION PARAMETERS OF A FLUOROSCOPE	US	PENDING
E25.00		61/485621	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING
E26.00		13/107720	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING
E27.00		13/107759	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING
E28.00		61/486206	METHODS AND DEVICES FOR PERFORMING PROCEDURES IN THE RESPIRATORY SYSTEM THROUGH AN AIRWAY WALL	US	PENDING
E29.00		61/486105	METHODS AND DEVICES FOR PERFORMING EXCISION OR ABLATION OF TISSUE	US	PENDING
E30.00		61/563,569	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	US	PENDING
BRON002US		12/884,735	SYSTEM AND METHOD FOR DETERMINING AIRWAY DIAMETER USING ENDOSCOPE	US	PUBLISHED
E1.08		11/357,639	METHODS FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE	US	PUBLISHED
E1.09		12/939,956	METHODS FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE	US	PUBLISHED

MATTER #	PATENT #	APP #	TITLE	COUNTRY	STATUS
E10.03		12/939961	DEVICES FOR MAINTAINING SURGICALLY CREATED OPENINGS	US	PUBLISHED
E13.00		12/323,198	DEVICES FOR CREATING PASSAGES AND SENSING BLOOD VESSELS	US	PUBLISHED
E14.02		12/856,268	AIRWAY BYPASS SITE SELECTION AND TREATMENT PLANNING	US	PUBLISHED
E17.00		11/538,950	DEVICES FOR DELIVERING SUBSTANCES THROUGH AN EXTRA-ANATOMIC OPENING CREATED IN AN AIRWAY	US	PUBLISHED
E17.01		12/939,968	DEVICES FOR DELIVERING SUBSTANCES THROUGH AN EXTRA-ANATOMIC OPENING CREATED IN AN AIRWAY	US	PUBLISHED
E19.00		12/469,614	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	US	PUBLISHED
E20.01		11/621,019	DEVICES AND METHODS FOR MAINTAINING COLLATERAL CHANNELS IN TISSUE	US	ABANDONE D
E20.00		12/406,018	BLOOD VESSEL SENSING CATHETER HAVING WORKING LUMEN FOR MEDICAL APPLIANCES	US	PUBLISHED
E23.00		12/233,916	METHODS FOR MAINTAINING THE PATENCY OF COLLATERAL CHANNELS IN THE LUNGS USING CRYO-ENERGY	US	PUBLISHED
E24.00		12/027,795	PUNCTURE RESISTANT CATHETER FOR SENSING VESSELS AND FOR CREATING PASSAGES IN TISSUE	US	PUBLISHED
E4.04		11/015,531	DEVICES FOR APPLYING ENERGY TO TISSUE	US	PUBLISHED
E4.05		11/562,947	DEVICES FOR CREATING PASSAGES AND SENSING FOR BLOOD VESSELS	US	PUBLISHED
E6.01		12/191,169	EXTRAPLEURAL AIRWAY DEVICE AND METHOD	US	PUBLISHED
E8.01		11/335,263	DEVICES FOR MAINTAINING PATENCY OF SURGICALLY CREATED CHANNELS IN TISSUE	US	PUBLISHED
L2.00		12/776,978	TISSUE SAMPLING DEVICES, SYSTEMS AND METHODS	US	PUBLISHED

MATTER #	PATENT #	APP #	TITLE	COUNTRY	STATUS
BRON002CN	None	201080050291.5	SYSTEM AND METHOD FOR DETERMINING AIRWAY DIAMETER USING ENDOSCOPE	China	PENDING
BRON003PCT	None	PCT/US12/37026	FLUOROSCOPY-BASED SURGICAL DEVICE TRACKING METHOD AND SYSTEM	WO	PENDING
BRON004PCT	None	PCT/US12/37706	SURGICAL ASSISTANCE PLANNING METHOD USING LUNG MOTION ANALYSIS	WO	PENDING
BRON-N-E025.00-WO	None	PCT/US2012/037470	METHODS AND DEVICES FOR DIAGNOSING, MONITORING, OR TREATING MEDICAL CONDITIONS THROUGH AN OPENING THROUGH AN AIRWAY WALL	WO	PENDING
BRON-N-E029.02-US	None	13/469,805	METHODS AND DEVICES FOR ABLATION OF TISSUE	US	PENDING
BRON-N-E029.01-US	None	13/470,069	METHODS AND DEVICES FOR EXCISION OF TISSUE	US	PENDING
BRON-N-E029.01-WO	None	PCT/US2012/037614	METHODS AND DEVICES FOR EXCISION OF TISSUE	WO	PENDING
BRON-N-E029.02-WO	None	PCT/US2012/037551	METHODS AND DEVICES FOR ABLATION OF TISSUE	WO	PENDING
BRON-N-E017.02-US	None	13/473,355	DEVICES FOR DELIVERING SUBSTANCES THROUGH AN EXTRA-ANATOMIC OPENING CREATED IN AN AIRWAY	US	PENDING

PATENT

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RECORDED: 11/07/2016