

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3259194

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ISAIAH W. COX	02/24/2015
JONATHAN SIDNEY EDELSON	03/08/2015
NECHAMA COX	02/24/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BOREALIS TECHNICAL LIMITED
<b>Street Address:</b>	43/1 MAIN ST
<b>City:</b>	GIBRALTAR
<b>State/Country:</b>	GIBRALTAR
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61526138
<b>Application Number:</b>	13591328
<b>PCT Number:</b>	US1356301
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(503)296-2163
<i>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.</i>	
<b>Phone:</b>	503-621-3286
<b>Email:</b>	patent@borealis.com
<b>Correspondent Name:</b>	BOREALIS TECHNICAL LIMITED
<b>Address Line 1:</b>	23545 NW SKYLINE BLVD
<b>Address Line 4:</b>	NORTH PLAINS, OREGON 97133-9204
<b>ATTORNEY DOCKET NUMBER:</b>	12198
<b>NAME OF SUBMITTER:</b>	DINA BRESLOW
<b>SIGNATURE:</b>	/DinaBreslow/
<b>DATE SIGNED:</b>	03/10/2015
<b>Total Attachments: 10</b>	
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## ASSIGNMENT

WHEREAS, I, Jonathan Sidney Edelson, of 2425 SW Nebraska St. Portland, OR 97235 (hereinafter "ASSIGNOR") am a sole or joint inventor and have invented certain new and useful improvements in the invention(s) described in APPENDIX A attached hereto; and

WHEREAS, Borealis Technical Limited, Gibraltar Company Number 57884, a corporation organized and existing under the laws of Gibraltar, and having offices at 43/1 Main St, Gibraltar and at 23545 NW Skyline Blvd, North Plains, OR 97133 (hereinafter "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said invention(s) and in any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

WHEREAS, the ASSIGNOR and the ASSIGNEE are each duly authorized and capable of entering into this Assignment;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention for the Protection of Industrial Property and other relevant International Treaties and Arrangements from the aforesaid inventions and application(s) set forth in Appendix A) and the entire right, title and interest in and to all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions, and renewals thereof.

I hereby authorize and request Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, and assigns to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

In witness whereof, executed by the undersigned on the date(s) above the undersigned name(s).

Date 2015 Mar 08

Inventor Signature *[Signature]*

Inventor typed or printed name Sonathan Edelson

On this \_\_\_ day of \_\_\_\_\_, 201\_\_\_, before me, personally appeared the above Inventor, known to me to be the person of that name, who signed the foregoing document, and acknowledged the same to be of his/her free act and deed.

(Notary Seal)

This assignment should preferably be signed before:

(a) a Notary Public if within the U.S.A.

(b) a U.S. Consul if outside the U.S.A.

If neither, then it should be signed before at least two witnesses who also sign here:

Date 8 Mar 2015

Witness signature *[Signature]*

Witness typed or printed name Boaz Allyn-Feuer

Witness address:

4905 SW Nevada Ct  
Portland, Oregon 97219

Date 3/9/15

Witness signature *[Signature]*

Witness typed or printed name Nezhane Katan

Witness address:

2425 SW Nesrocker St  
Portland, OR 97239

## APPENDIX A

Title of Invention	Patent or Application No.	Filing Date	Docket #
Method for Optimizing Operation of Aircraft Ground Travel Drive System	61/526,138	08-22-2011	12198.PRIV
Method for Optimizing Operation of Aircraft Ground Travel Drive System	13/591,328	08-22-2012	12198.US
Method for Optimizing Operation of Aircraft Ground Travel Drive System	PCT/US13/56301	08-22-2013	12198.US.PCT
SYSTEM AND METHOD FOR GENERATING ARTIFICIAL LIGHT	61/521,193	08-08-2011	12197.PRIV
SYSTEM AND METHOD FOR GENERATING ARTIFICIAL LIGHT	13/569,314	08-08-2012	12197.US
Drive System with Harmonic Drive for Self-Propelled Aircraft Wheel	61/513,446	07-29-2011	12196.PRIV
Drive System with Harmonic Drive for Self-Propelled Aircraft Wheel	13/561,066	07-29-2012	12196.US

## ASSIGNMENT

WHEREAS, I, Nechama Cox of 27 Heathway Court, Finchley Road/West Heath Road, London Hampstead NW3 7TS (hereinafter "ASSIGNOR") am a sole or joint inventor and have invented certain new and useful improvements in the invention(s) described in APPENDIX A attached hereto; and

WHEREAS, Borealis Technical Limited, Gibraltar Company Number 57884, a corporation organized and existing under the laws of Gibraltar, and having offices at 43/1 Main St, Gibraltar and at 23545 NW Skyline Blvd, North Plains, OR 97133 (hereinafter "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said invention(s) and in any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

WHEREAS, the ASSIGNOR and the ASSIGNEE are each duly authorized and capable of entering into this Assignment;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention for the Protection of Industrial Property and other relevant International Treaties and Arrangements from the aforesaid inventions and application(s) set forth in Appendix A) and the entire right, title and interest in and to all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions, and renewals thereof.

I hereby authorize and request Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, and assigns to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

In witness whereof, executed by the undersigned on the date(s) above the undersigned name(s).

Date 24 Feb 2015

Inventor Signature [Signature]

Inventor typed or printed name Noahame Cox

On this \_\_\_ day of \_\_\_\_\_, 201\_\_\_, before me, personally appeared the above Inventor, known to me to be the person of that name, who signed the foregoing document, and acknowledged the same to be of his/her free act and deed.

(Notary Seal)

This assignment should preferably be signed before:

- (a) a Notary Public if within the U.S.A.
- (b) a U.S. Consul if outside the U.S.A.

If neither, then it should be signed before at least two witnesses who also sign here:

Date 2/24/15

Witness signature [Signature]

Witness typed or printed name Joseph J. Cox

Witness address:  
23575 NW Skyline Blvd  
North Plains OR 97133

Date 2015 Feb 24

Witness signature [Signature]

Witness typed or printed name Jonathan Edelson

Witness address:  
2425 SW Nebraska St.  
Portland, OR 97239

**APPENDIX A**

<b>Title of Invention</b>	<b>Patent or Application No.</b>	<b>Filing Date</b>	<b>Docket #</b>
Method for Optimizing Operation of Aircraft Ground Travel Drive System	61/526,138	08-22-2011	12198.PRV
Method for Optimizing Operation of Aircraft Ground Travel Drive System	13/591,328	08-22-2012	12198.US
Method for Optimizing Operation of Aircraft Ground Travel Drive System	PCT/US13/56301	08-22-2013	12198.US.PCT



## ASSIGNMENT

WHEREAS, I, Isaiah W. Cox, of 27 Heathway Court, Finchley Road/West Heath Road, London Hampstead NW3 7TS (hereinafter "ASSIGNOR") am a sole or joint inventor and have invented certain new and useful improvements in the invention(s) described in APPENDIX A attached hereto; and

WHEREAS, Borealis Technical Limited, Gibraltar Company Number 57884, a corporation organized and existing under the laws of Gibraltar, and having offices at 43/1 Main St, Gibraltar and at 23545 NW Skyline Blvd, North Plains, OR 97133 (hereinafter "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said invention(s) and in any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

WHEREAS, the ASSIGNOR and the ASSIGNEE are each duly authorized and capable of entering into this Assignment;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention for the Protection of Industrial Property and other relevant International Treaties and Arrangements from the aforesaid inventions and application(s) set forth in Appendix A) and the entire right, title and interest in and to all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions, and renewals thereof.

I hereby authorize and request Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, and assigns to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

In witness whereof, executed by the undersigned on the date(s) above the undersigned name(s).

Date 24 Feb '15

Inventor Signature \_\_\_\_\_

Inventor typed or printed name ISAIAH COX

On this \_\_\_ day of \_\_\_\_\_, 201\_\_, before me, personally appeared the above Inventor, known to me to be the person of that name, who signed the foregoing document, and acknowledged the same to be of his/her free act and deed.

(Notary Seal)

This assignment should preferably be signed before:

- (a) a Notary Public if within the U.S.A.
- (b) a U.S. Consul if outside the U.S.A.

If neither, then it should be signed before at least two witnesses who also sign here:

Date 2/24/15  
Witness signature \_\_\_\_\_

Witness typed or printed name Joseph J. COX

Witness address:  
23545 NW Skyline Blvd  
North Plains OR 97133

Date 2015 Feb 24  
Witness signature \_\_\_\_\_

Witness typed or printed name Jonathan Edelson

Witness address:  
2425 SW Nebraska St.  
Portland, OR 97239

**APPENDIX A**

Title of Invention	Patent or Application No.	Filing Date	Docket #
METHOD FOR IMPROVING EFFICIENCY OF AIRPORT DEICING OPERATIONS	61/612,010	03-16-2012	12215.PRV
METHOD FOR IMPROVING EFFICIENCY OF AIRPORT DEICING OPERATIONS	13/802,720	03-14-2013	12215.US
METHOD FOR DETERMINING RELATIONAL SPEED AND POSITION IN AN AIRCRAFT EQUIPPED WITH A LANDING GEAR DRIVE WHEEL	61/611,790	03-16-2012	12214.PRV
METHOD FOR DETERMINING RELATIONAL SPEED AND POSITION IN AN AIRCRAFT EQUIPPED WITH A LANDING GEAR DRIVE WHEEL	13/802,678	03-13-2013	12214.US
METHOD FOR INFLIGHT DEICING OF LANDING GEAR AND WHEEL BAYS IN AIRCRAFT WITH ONBOARD DRIVE MEANS	61/603,534	02-27-2012	12213.PRV
METHOD FOR INFLIGHT DEICING OF LANDING GEAR AND WHEEL BAYS IN AIRCRAFT WITH ONBOARD DRIVE MEANS	13/779,724	02-27-2013	12213.US
METHOD FOR IMPROVING GROUND TRAVEL CAPABILITY AND ENHANCING STEALTH IN UNMANNED AERIAL VEHICLES	61/599,584	02-16-2012	12212.PRV
METHOD FOR IMPROVING GROUND TRAVEL CAPABILITY AND ENHANCING STEALTH IN UNMANNED AERIAL VEHICLES	13/769,839	02-19-2013	12212.US
Electric Vehicle Traction Control System and Method	61/568,993	12-09-2011	12209.PRV
Electric Vehicle Traction Control System and Method	13/707,589	12-06-2012	12209.US
METHOD FOR REDUCING AIRCRAFT MAINTENANCE COSTS AND TIME OUT OF SERVICE	61/557,390	11-08-2011	12204.PRV
METHOD FOR REDUCING AIRCRAFT MAINTENANCE COSTS AND TIME OUT OF SERVICE	13/671,561	11/08/12	12204.US

Method for Optimizing Operation of Aircraft Ground Travel Drive System	61/526,138	08-22-2011	12198.PRV
Method for Optimizing Operation of Aircraft Ground Travel Drive System	13/591,328	08-22-2012	12198.US
Method for Optimizing Operation of Aircraft Ground Travel Drive System	PCT/US13/56301	08-22-2013	12198.US.PCT
SYSTEM AND METHOD FOR GENERATING ARTIFICIAL LIGHT	61/521,193	08-08-2011	12197.PRV
SYSTEM AND METHOD FOR GENERATING ARTIFICIAL LIGHT	13/569,314	08-08-2012	12197.US
Drive System with Harmonic Drive for Self-Propelled Aircraft Wheel	61/513,446	07-29-2011	12196.PRV
Drive System with Harmonic Drive for Self-Propelled Aircraft Wheel	13/561,066	07-29-2012	12196.US
METHOD OF EXTENDING AND IMPROVING AIRCRAFT LIFE AND EFFICIENCY	61/510,919	07-22-2011	12195.PRV
METHOD OF EXTENDING AND IMPROVING AIRCRAFT LIFE AND EFFICIENCY	13/555,224	07-23-2012	12195.US