## 502690403 02/21/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2737008

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ALFRED H. ROSEN	02/03/2014

## **RECEIVING PARTY DATA**

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12612830

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 046354-000002USP1

PATENT 502690403 REEL: 032269 FRAME: 0447

NAME OF SUBMITTER:	STEPHEN G. RUDISILL	
Signature:	/Stephen G. Rudisill/	
Date:	02/21/2014	
Total Attachments: 2 source=046354-2 Assignment#page1.tif source=046354-2 Assignment#page2.tif		

PATENT REEL: 032269 FRAME: 0448

## ASSIGNMENT

# First Amendment and 2014 Restatement

of an Assignment executed August 14, 2007
by ALFRED H. ROSEN and

# **RECORDED 09/18/2007 REEL/FRAME 019842/0101**In the UNITED STATES PATENT and TRADEMARK OFFICE

**ACTING AS THE INVENTOR** named in the above-captioned Assignment I, ALFRED H. ROSEN, do hereby amend said Assignment to read in its entirety as follows:

WHEREAS, I, Alfred H. Rosen, (the "Inventor"), a United States citizen, residing at 4301 Great Meadow Road, Dedham MA 02026, have made an invention, for which I have made two provisional patent applications of the United States of America, entitled **PROCESSES AND MEANS FOR REDUCING THE INTENSITY OF TROPICAL CYCLONES**, filed on July 9, 2007, and assigned Serial No. 60/958,777, and **IMPROVEMENTS IN OR RELATING TO PROCESSES AND MEANS FOR REDUCING THE INTENSITY OF TROPICAL CYCLONES**, filed on April 4, 2007, and assigned Serial No. 60/921,888, and

WHEREAS, Robert M. Rosen, residing at 78 St. Andrews Place, Edwards CO 81632 PO Box 2232, and David B. Rosen, residing at 9 Trodden Path, Lexington MA 02421 (the "Assignees"), are each desirous of acquiring a 40% joint, undivided right, title and ownership interest in and to said invention and any improvements thereon, and in and to the said applications for Letters Patent therefore, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I the said Inventor for and in consideration of the sum of One Dollar (\$1.00), to me in hand paid by said Assignees, and other valuable consideration from said Assignees, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto each of said Assignees, a 40% joint, undivided right, title and ownership interest in and to the said invention as set forth and described in the specification forming a part of the above-identified applications, and any and all improvements thereon, and in and to said applications and any division, continuation, or continuation-in-part thereof, including without limitation the following named Patent and Applications:

United States Patent Number 8,161,757, and United States Patent Applications bearing Serial Numbers:

12/141,161 filed 06/18/2008

12/612,830 filed 11/08/2009

13/323,999 filed 12/13/2011

13/657,059 filed 10/22/2012;

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and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements. including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, to have and to hold the same to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND I, the said Inventor, do hereby authorize and request the Director of the United States Patent and Trademark Office to issue the said Letters Patent of the United States to me and said Assignees as joint owners of said Letters Patent:

AND I, the said Inventor, for the consideration aforesaid, do hereby covenant and agree to and with said Assignees, that I have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that I, my executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, declarations, powers of attorney, assignments, and other documents which, in the reasonable opinion of counsel for said Assignees, may be required or necessary to more effectively secure to and vest in said Assignees, the 40% joint, undivided right, title and ownership interests in and to said invention and improvements, applications, Letters Patent, rights, benefits, privileges and advantages hereby sold, assigned, transferred and conveyed, and that I will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said Inventor, have hereunto set my hand and seal on the date below written.

Feb 03, 2014 Date:		ALFRED H. ROSEN
State of MA	)	
County of Nortolk	) ss: }	

On the 3 day of February in the year 2014 before me, Alfred H. Rosen personally appeared, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public LISA P. GREENFIELD LEE COMMONWEALTH OF MASSACHUSETTS

My Commission Expires January 28, 2017

**PATENT** 

**REEL: 032269 FRAME: 0450** 

RECORDED: 02/21/2014