

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Donald Gerard Madden	12/03/2020
Ethan Shayne	10/29/2020
Daniel Todd Kerzner	04/08/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALARM.COM INCORPORATED
<b>Street Address:</b>	8281 GREENSBORO DRIVE
<b>Internal Address:</b>	SUITE 100
<b>City:</b>	TYSONS
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22102
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17003161
<b>Application Number:</b>	62896974
<b>CORRESPONDENCE DATA</b>	
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<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>	
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<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
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<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	22888-0423001
<b>NAME OF SUBMITTER:</b>	ARLENE F. YATES
<b>SIGNATURE:</b>	/Arlene F. Yates/
<b>DATE SIGNED:</b>	04/15/2021
<b>Total Attachments: 4</b>	

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### ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, DONALD GERARD MADDEN, ETHAN SHAYNE, and DANIEL TODD KERZNER, each individually assign to ALARM.COM INCORPORATED, a corporation formed under the laws of Delaware and having a principal place of business at 8281 Greensboro Drive, Suite 100, Tysons, VA 22102, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "PRECIPITATION REMOVAL ANALYTICS," and was filed in the United States Patent and Trademark Office on August 26, 2020, as application 17/003,161 (the "Application"), and a provisional patent application that is titled "SNOW REMOVAL ANALYTICS," and was filed in the United States Patent and Trademark Office on September 6, 2019, as application 62/896,974.

This Assignment assigns, in addition to the Subject Matter, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

To the extent any portion of the rights assigned by this Assignment has previously been assigned to the Assignee, this Assignment is a confirmation of the previous assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

  
Donald Gerard Madden

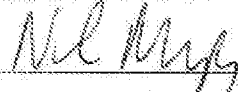
Date: December 3, 2020

Witnessed by:

Signature: 

Date: 12/3/2020

Print Name: Dina Williams

Signature: 

Date: 12/3/2020

Print Name: Nicola Murphy



Ethan Shayne

Date: 10/29/20

Witnessed by:

Signature: 

Date: 10/29/2020

Print Name: Derek Williams

Signature: 

Date: 10/29/2020

Print Name: Nick Murphy

20/10/21  
Daniel Todd Kerzner

Date: 4/8/21

Witnessed by:

Signature: D Williams

Date: 4/8/2021

Print Name: Dinah Williams

Signature: Nicola Murphy

Date: 4/8/2021

Print Name: Nicola Murphy

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: ALARM.COM INCORPORATED

Signature: [Signature]

Date: 4/13/2021

Name: Daniel Ramos

Title: Senior Vice President

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