# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5672460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BRYAN E. PAPILLON	07/01/2014
LARRY S. HOWE	08/26/2014
GIMTONG TEOWEE	08/25/2014
THOMAS ALLEN HOOPES	07/14/2014

### **RECEIVING PARTY DATA**

Name:	AUSTIN POWDER COMPANY	
Street Address:	25800 SCIENCE PARK DRIVE	
City:	CLEVELAND	
State/Country:	OHIO	
Postal Code:	44122	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16542764

#### CORRESPONDENCE DATA

Fax Number: (216)363-9001

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: 216.363.9000

Email: uspto@faysharpe.com **FAY SHARPE LLP Correspondent Name:** 

Address Line 1: 1228 EUCLID AVENUE, 5TH FLOOR

Address Line 2: THE HALLE BUILDING Address Line 4: CLEVELAND, OHIO 44115

ATTORNEY DOCKET NUMBER:	ATNZ200102US02
NAME OF SUBMITTER:	ERIC HIGHMAN
SIGNATURE:	/Eric Highman/
DATE SIGNED:	08/16/2019

**Total Attachments: 12** 

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	,

WHEREAS, BRYAN E. PAPILLON, LARRY S. HOWE and THOMAS ALLEN HOOPES and GIMTONG TEOWEE (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in an invention disclosed in a utility patent application entitled METHOD AND APPARATUS FOR WIRELESS BLASTING which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. ATNZ 200102USP1, in the patent files of AUSTIN POWDER COMPANY and which invention is the subject of provisional patent application serial no. 61/910,654 filed December 2, 2013.

NOW THEREFORE, it is agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said inventors have sold, assigned and transferred and by these presents do sell, assign and transfer unto AUSTIN POWDER COMPANY, an Ohio corporation, having a place of business at 25800 Science Park Drive, Cleveland, Ohio 44122, the entire right, title and interest in said invention in the United States of America and all foreign countries and in and to said U.S. patent application and all patent applications, divisions, substitutions, continuations and continuations-in-part thereof, and in all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and in all priority rights under the International Convention for the Protection of Industrial Property for every member country, and in all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said invention in any foreign countries, and in all patents (including all extensions, renewals and reissues thereof) granted for said invention; said applications and patents to be held and enjoyed by said AUSTIN POWDER **COMPANY**, for its use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same may be granted, as fully and entirely as the same would have been held by said inventors had this assignment and sale not been made.

FURTHER, said inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents on said invention or in filing any divisional, continuation,

Assignment of Invention of AUSTIN POWDER COMPANY METHOD AND APPARATUS FOR WIRELESS BLASTING Attorney Docket No. ATNZ 200102US01 Page 2

substitution, or reissue patent application or re-examination proceedings on said invention whether in the United States of America or in any foreign country.

Rua Staille	
Shyan E. Expillon	01 July 2014
BRYAN E. PAPILLON	Date
<u>CERTIFI</u>	ICATE OF ACKNOWLEDGEMENT
State of	_ )
County of	
On this day of appeared BRYAN E. PAPILLON	, 2013, before me personally I, to me known to be the person whose name is rument, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:
******	
LARRY S. HOWE	Date
<u>CERTIFI</u>	CATE OF ACKNOWLEDGEMENT
State of	_ ) ) ss _ )
On this day of appeared LARRY S. HOWE, to me the foregoing instrument, and ac	, 2013, before me personally e known to be the person whose name is subscribed to knowledged to me that he executed the same.
(SEAL)	
	Notary Public, State of
	My Commission Expires:

Assignment of Inventik JAUSTIN POWDER COMPANY
METHOD AND APPARATUS FOR WIRELESS BLASTING
Attorney Docket No. ATNZ 200102US01
Page 3

*******	
THOMAS ALLEN HOOPES	
<u>CERTIFICA</u>	TE OF ACKNOWLEDGEMENT
State of	)
County of	) ) ss )
appeared THOMAS ALLEN HOOPES	, 2013, before me personally S, to me known to be the person whose name is nent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
******	My Commission Expires:
GIMTONG TEOWEE	Date
<u>CERTIFICA</u>	TE OF ACKNOWLEDGEMENT
State of	
County of	) ss )
appeared GIMTONG TEOWEE, 1	, 2013, before me personally to me known to be the person whose name is nent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:

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Assignment of Invention to AUSTIN POWDER COMPANY
METHOD AND APPARATUS FOR WIRELESS BLASTING
Attorney Docket No. ATNZ 200102US01

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BRYAN E. PAPILLON	Date
<u>CERTIFICAT</u>	E OF ACKNOWLEDGEMENT
State of	
State of	) ss )
On this day of appeared BRYAN E. PAPILLON, to subscribed to the foregoing instrume same.	, 2013, before me personally o me known to be the person whose name is ent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:
*****	
LARRY S. HOWE	8/26/14
LARRY S. HOWE	Date
CERTIFICAT	E OF ACKNOWLEDGEMENT
State of <u>OHIO</u>	)
State of <u>OHIO</u> County of <u>Huro NI</u>	) ss )
On this <u>26</u> day of <u>dugar</u> appeared LARRY S. HOWE, to me kn the foregoing instrument, and acknow	st 2014, before me personally own to be the person whose name is subscribed to wledged to me that he executed the same.
(SEAL)	Suntal Stulk
SERVICE THAN TO SERVICE THE SE	Notary Public, State ofOHIO
**************************************	My Commission Expires: 4-26-14

Assignment of Invention to AUSTIN POWDER COMPANY METHOD AND APPARATUS FOR WIRELESS BLASTING Attorney Docket No. ATNZ 200102US01 Page 3

THOMAS ALLEN HOOPES	Date
<u>CERTIFICA</u>	TE OF ACKNOWLEDGEMENT
State of	) ) ss )
County of	)
appeared THOMAS ALLEN HOOPES	, 2013, before me personally S, to me known to be the person whose name is nent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
******	My Commission Expires:
GIMTONG TEOWEE	Date
<u>CERTIFICA</u>	TE OF ACKNOWLEDGEMENT
State of	)
County of	) ) ss )
On this day of appeared <b>GIMTONG TEOWEE</b> , it	, 2013, before me personally to me known to be the person whose name is nent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:

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PATENT <del>REEL: 0</del>50075 FRAME: 0114 substitution, or reissue patent application or re-examination proceedings on said invention whether in the United States of America or in any foreign country.

BRYAN E. PAPILLON	Date
CERTIFIC	CATE OF ACKNOWLEDGEMENT
State of	
On this day of appeared BRYAN E. PAPILLON,	to me known to be the person whose name is iment, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:
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LARRY S. HOWE	Date
	ATE OF ACKNOWLEDGEMENT
State of	) ) 55
County of	)33
Spherico Fulli 3. HOARE, 10 HB	known to be the person whose name is subscribed to nowledged to me that he executed the same.
(SEAL)	
	Notary Public, State of
	My Commission Expires:
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THOMAS ALLEN HOOPES	Date
<u>CERTIFICA</u>	TE OF ACKNOWLEDGEMENT
State of	) 1 cc
County of	) ) ss )
On this day of appeared THOMAS ALLEN HOOPES subscribed to the foregoing instrum same.	, 2013, before me personally 6, to me known to be the person whose name is nent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
********	My Commission Expires:
GIMTONG TEOWEE	8/25/14 Date
CERTIFICAT	TE OF ACKNOWLEDGEMENT
State of	) ss ) .
On this day of appeared GIMTONG TEOWEE, to subscribed to the foregoing instrume same.	, 2013, before me personally o me known to be the person whose name is ent, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:

**PATENT** 

REEL: 050075 FRAME: 0116

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Assignment of Invention to AUSTIN POWDER COMPANY METHOD AND APPARATUS FOR WIRELESS BLASTING Attorney Docket No. ATNZ 200102US01 Page 2

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BRYAN E. PAPILLON	Date
<u>CERTIF</u>	ICATE OF ACKNOWLEDGEMENT
State of	
State of  County of	_ )
	, 2013, before me personally 1, to me known to be the person whose name is rument, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:
*******	
LARRY S. HOWE	Date
<u>CERTIFI</u>	CATE OF ACKNOWLEDGEMENT
State of	_
On this day of appeared LARRY S. HOWE, to m	, 2013, before me personally be known to be the person whose name is subscribed to oknowledged to me that he executed the same.
(SEAL)	
	Notary Public, State of

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METHOD AND APPARATUS FOR WIRELESS BLASTING Attorney Docket No. ATNZ 200102US01 **CERTIFICATE OF ACKNOWLEDGEMENT** County of SALT LAKE On this 4 day of ULY , 2013, before me personally appeared THOMAS ALLEN HOOPES, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same. (SEAL) Notary Public, State of Mah My Commission Expires:\_\_\_9/3/16 \*\*\*\*\*\* **GIMTONG TEOWEE** Date **CERTIFICATE OF ACKNOWLEDGEMENT** State of \_\_\_\_\_ County of \_\_\_\_ \_\_\_\_\_\_, 2013, before me personally On this \_\_\_\_ day of \_\_\_\_\_ appeared GIMTONG TEOWEE, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same. (SEAL) Notary Public, State of \_\_\_\_\_

Assignment of Invention to AUSTIN POWDER COMPANY

PATENT REEL: 050075 FRAME: 0119

My Commission Expires:\_\_\_\_\_

RECORDED: 08/16/2019