

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Shocking Technologies, Inc.	11/16/2012

RECEIVING PARTY DATA

Name:	Littelfuse, Inc.
Street Address:	8755 W. Higgins Road
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60631

PROPERTY NUMBERS Total: 16

Property Type	Number
Patent Number:	7968014
Patent Number:	7968015
Patent Number:	7981325
Application Number:	13468896
Application Number:	12717102
Application Number:	12820897
Application Number:	12820939
Application Number:	12820956
Application Number:	12832022
Application Number:	12832033
Application Number:	12834273
Application Number:	13447173
Application Number:	13597152
Application Number:	13192419
Application Number:	13624668

CH \$640.00 7968014

Application Number: 12834296

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 40855-00000

NAME OF SUBMITTER: Chris L. Holm

Total Attachments: 5

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PATENT SECURITY AGREEMENT dated as of November 16, 2012 (this "**Agreement**"), between Shocking Technologies, Inc., a Delaware corporation (the "**Grantor**") and Littlefuse, Inc. (the "**Lender**").

Reference is made to (a) the Security Agreement dated November 16, 2012 (as amended, restated, supplemented or otherwise modified from time to time, the "**Security Agreement**"), between the Grantor and the Lender and (b) the Littlefuse Loan Agreement dated as of November 16, 2012 (as amended, restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**"), between the Grantor and the Lender.

The Lender has agreed to extend credit to the Grantor subject to the terms and conditions set forth in the Credit Agreement. The obligations of the Lender to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement. The Grantor will derive substantial benefits from the extension of credit to the Grantor pursuant to the Credit Agreement and is willing to execute and deliver this Agreement in order to induce the Lender to extend such credit.

Accordingly, the parties hereto agree as follows:

SECTION 1. **Terms.** Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement.

SECTION 2. **Grant of Security Interest.** As security for the payment or performance, as the case may be, in full of the Secured Obligations, Grantor, pursuant to the Security Agreement, did and hereby does grant to the Lender, its successors and assigns, a security interest in, all of such Grantor's right, title or interest in or to any and all of the following assets and properties (collectively, the "**Patent Collateral**"):

(a) all letter patents, design patents and utility patents, all registrations and recordings thereof, and all registration and recording applications filed in connection therewith, in each case to the extent owned by Grantors, including registrations and registration applications in the United States Patent and Trademark Office, including those listed on Schedule I (the "**Patents**");

SECTION 3. **Security Agreement.** The security interests granted to the Lender herein are granted in furtherance, and not in limitation of, the security interests granted to the Lender pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of the Lender with respect to the Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 4. **Governing Law.** This Agreement shall be construed in accordance with and governed by the laws of the State of California.

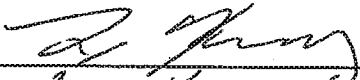
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IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

Grantor:

SHOCKING TECHNOLOGIES, INC.

By:
Name:
Title:




Lee Karow
President & CEO

Lender:

LITTELFUSE, INC.

By:
Name:
Title:



Philip Frank
Vice President, operations, Support and
Chief Financial Officer

I. Patents

<u>Record Owner</u>	<u>Title</u>	<u>Reg. No.</u>	<u>Issue Date</u>
Shocking Technologies Inc.	Device Applications for Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	7695644	4/13/2010
Shocking Technologies Inc.	Light-Emitting Device Using Voltage Switchable Dielectric Material	7825491	11/2/2010
Shocking Technologies Inc.	Current Carrying Structure Using Voltage Switchable Dielectric Material	6797145	9/28/2004
Shocking Technologies Inc.	Methods for Fabricating Current-Carrying Structures Using Voltage Switchable Dielectric Materials	7446030	11/4/2008
Shocking Technologies Inc.	System and Method For Including Protective Voltage Switchable Dielectric Material in The Design	7793236	9/7/2010
Shocking Technologies Inc.	Formulations for Voltage Switchable Dielectric Material Having a Stepped Voltage Response and Methods for Making the Same	7872251	1/18/2011
Shocking Technologies Inc.	Semiconductor Devices Including Voltage Switchable Materials for Over-Voltage Protection	7923844	4/12/2011
Shocking Technologies Inc.	Method for Electroplating a Substrate	7968010	6/28/2011
Shocking Technologies Inc.	Device Applications For Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	7968014	6/28/2011
Shocking Technologies Inc.	Light-Emitting Diode Device For Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	7968015	6/28/2011
Shocking Technologies Inc.	Electronic Device For Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	7981325	7/19/2011
Shocking Technologies Inc.	Substrate Device or Package Using Embedded Layer of Voltage Switchable Dielectric Material in a Vertical Switching Configuration	8203421	6/19/2012
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having Bonded Particle Constituents	8206614	6/26/2012
Shocking Technologies Inc.	Methods for Fabricating Current-Carrying Structures Using Voltage Switchable Dielectric Materials	8117743	2/21/2012
Shocking Technologies Inc.	Formulations for Voltage Switchable Dielectric Materials Having a Stepped Voltage Response and Methods for Making the Same	8163595	4/24/2012
Shocking Technologies Inc.	Substrates Having Voltage Switchable Dielectric Materials	8272123	9/25/2012
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having Bonded Particle Constituents	Pending (Ser. No. 13468896)	5/10/2012
Shocking Technologies Inc.	Substrates Having Voltage Switchable Dielectric Materials	Pending (Ser. No. 13597152)	8/28/2012

II. Patent Applications

<u>Record Owner</u>	<u>Title</u>	<u>App. No.</u>	<u>App. Date</u>
Shocking Technologies Inc.	Wireless Communication Device Using Voltage Switchable Dielectric Material	11562222	11/21/2006
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having Conductive or Semi-Conductive Organic Material	11829946	7/29/2007
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	11829948	7/29/2007
Shocking Technologies Inc.	Device Applications For Voltage Switchable Dielectric Material Having Conductive or Semi-Conductive Organic Material	11829951	7/29/2007

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PATENT
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<u>Record Owner</u>	<u>Title</u>	<u>App. No.</u>	<u>App. Date</u>
Shocking Technologies Inc.	Technique for Plating Substrate Devices Using Voltage Switchable Dielectric Material and Light Assistance	11860522	9/24/2007
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	12193603	8/18/2008
Shocking Technologies Inc.	Methods for Fabricating Current-Carrying Structures Using Voltage Switchable Dielectric Materials	12284790	9/24/2008
Shocking Technologies Inc.	Voltage Switchable Dielectric Material With Superior Physical Properties for Structural Applications	12370589	2/12/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material With Low Band Gap Particles	12407346	3/19/2009
Shocking Technologies Inc.	Core Layer Structure Having Voltage Switchable Dielectric Material	12541963	8/16/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Containing Boron Compound	12561195	9/16/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Containing Conductive Core Shelled Particles	12571318	9/30/2009
Shocking Technologies Inc.	Geometric and Electric Field Considerations for Including Transient Protective Material in Substrate Devices	12607952	10/28/2009
Shocking Technologies Inc.	Metal Deposition	12608297	10/29/2009
Shocking Technologies Inc.	Metal Deposition	12608301	10/29/2009
Shocking Technologies Inc.	Metal Deposition	12608309	10/29/2009
Shocking Technologies Inc.	Metal Deposition	12608315	10/29/2009
Shocking Technologies Inc.	Metal Deposition	12608326	10/29/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Containing Conductor-on-Conductor Core Shelled Particles	12638360	12/15/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Containing Insulative and/or Low-Dielectric Core Shell Particles	12638632	12/15/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Incorporating P and N Type Material	12642799	12/19/2009
Shocking Technologies Inc.	Voltage Switchable Dielectric Composition Using Binder With Enhanced Electron Mobility at High Electric Fields	12692573	1/22/2010
Shocking Technologies Inc.	Substrates Having Voltage Switchable Dielectric Materials	12694702	1/27/2010
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having a Quantity of Carbon Nanotubes Distributed Therein	12714354	2/26/2010
Shocking Technologies Inc.	Method for Creating Voltage Switchable Dielectric Material	12714358	2/26/2010
Shocking Technologies Inc.	Voltage Switchable Dielectric Material Having High Aspect Ratio Particles	12717102	3/3/2010
Shocking Technologies Inc.	Components Having Voltage Switchable Dielectric Materials	12731557	3/25/2010
Shocking Technologies Inc.	Wireless Communication Device Using Voltage Switchable Dielectric Material	12820897	6/22/2010
Shocking Technologies Inc.	Wireless Communication Device Using Voltage Switchable Dielectric Material	12820939	6/22/2010
Shocking Technologies Inc.	Wireless Communication Device Using Voltage Switchable Dielectric Material	12820956	6/22/2010
Shocking Technologies Inc.	Light Emitting Device Using Voltage Switchable Dielectric Material	12832022	7/7/2010
Shocking Technologies Inc.	Light Emitting Device Using Voltage Switchable Dielectric	12832033	7/7/2010

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PATENT
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<u>Record Owner</u>	<u>Title</u>	<u>App. No.</u>	<u>App. Date</u>
Inc.	Material		
Shocking Technologies Inc.	System and Method For Including Protective Voltage Switchable Dielectric Material in The Design Or Simulation of Substrate Devices	12834273	7/12/2010
Shocking Technologies Inc.	System and Method For Including Protective Voltage Switchable Dielectric Material in The Design Or Simulation of Substrate Devices	12834296	7/12/2010
Shocking Technologies Inc.	Geometric Configuration or Alignment of Protective Material in a Gap Structure for Electrical Devices	12878344	9/9/2010
Shocking Technologies Inc.	Granular Varistor and Applications for Use Thereof	12954605	11/24/2010
Shocking Technologies Inc.	Substrates Having Voltage Switchable Dielectric Materials	12976236	12/22/2010
Shocking Technologies Inc.	EMI Voltage Switchable Dielectric Materials Having Nanophase Materials	13031071	2/18/2011
Shocking Technologies Inc.	Electric Discharge Protection for Surface Mounted and Embedded Components	13035791	2/25/2011
Shocking Technologies Inc.	Embedded Protection Against Spurious Electrical Events	13096860	4/28/2011
Shocking Technologies Inc.	Circuit Elements Comprising Ferroic Materials	13115068	5/24/2011
Shocking Technologies Inc.	Coating of Voltage Switchable Dielectric Materials	13192419	7/27/2011
Shocking Technologies Inc.	System and Method for Protecting a Computing Device Using VSD Material, and Method for Designing Same	13291090	11/7/2011
Shocking Technologies Inc.	Flexible Circuits and Substrates Comprising Voltage Switchable Dielectric Material	13358506	1/25/2012
Shocking Technologies Inc.	Light-Emitting Devices Comprising Non-Linear Electrically Protective Material	13359410	1/26/2012
Shocking Technologies Inc.	Methods for Fabricating Current-Carrying Structures Using Voltage Switchable Dielectric Materials	12953158	11/23/2010
Shocking Technologies Inc.	Formulations for Voltage Switchable Dielectric Materials Having a Stepped Voltage Response and Methods for Making the Same	12953309	11/23/2010
Shocking Technologies Inc.	Substrates Having Voltage Switchable Dielectric Materials	13009802	1/19/2011
Shocking Technologies Inc.	Formulations for Voltage Switchable Dielectric Material having a Stepped Voltage Response and Methods for Making the Same	13447173	4/14/2012
Shocking Technologies Inc.	Semiconductor Devices Including Voltage Switchable Materials for Over-Voltage Protection	13034450	2/24/2011
Shocking Technologies Inc.	Vertical Switching Formations for ESD Protection	13624668	9/21/2012

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RECORDED: 12/27/2012

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