

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT SPRAGUE	11/27/2017
MICHAEL P. NEWELL	11/30/2017
RECEIVING PARTY DATA	
Name:	MATERION CORPORATION
Street Address:	6070 PARKLAND BOULEVARD
City:	MAYFIELD HEIGHTS
State/Country:	OHIO
Postal Code:	44124
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16542912
CORRESPONDENCE DATA	
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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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ATTORNEY DOCKET NUMBER:	MATE 200181US02
NAME OF SUBMITTER:	RICHARD M. KLEIN
SIGNATURE:	/ Richard M. Klein /
DATE SIGNED:	08/16/2019
Total Attachments: 3	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **Robert Sprague** of Acton, MA and **Michael P. Newell** of Groton, MA

who has/have created a certain invention for which an application for United States Letters Patent has been

☐ executed concurrently herewith
☐ executed on _____
☒ filed as U.S. Serial No. 15/429,600 on February 10, 2017

and is entitled

ENHANCEMENT OF OUTPUT OF OPTICALLY PUMPED PHOSPHOR BY USE OF SURFACE NANOSTRUCTURES

Do hereby sell, assign and transfer to Materion Corporation, a corporation of the State of Ohio, having a place of business at **6070 Parkland Boulevard, Mayfield Heights, Ohio 44124**, (hereinafter Assignee) its successors, assigns, and legal representatives, the full and exclusive right, title, and interest in and to said invention and said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, reexaminations, extensions thereof, and all other forms of protection relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions agreements, acts, and treaties;

Agree that said Assignee may apply for and receive Letters Patent for said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reexaminations, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

REEL: 050076 FRAME: 0181

Signed at the City of WRESTFORD State of MASSACHUSETTS
on this 30TH day of NOVEMBER, 2017.

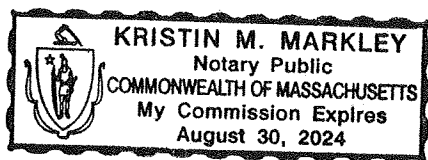
Michael P. Newell
Michael P. Newell

State of Massachusetts)
County of Middlesex) ss:

On this 30 day of November, 2017 before me personally
came Michael P. Newell, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Kristin M. Markley
Notary Public

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