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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
O. BURAK OZDOGANLAR	09/18/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16861112

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NAME OF SUBMITTER:	DEAKIN T. LAUER
SIGNATURE:	/Deakin T. Lauer/
DATE SIGNED:	04/28/2020

Total Attachments: 2

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> **PATENT REEL: 052518 FRAME: 0805** 506035831

ASSIGNMENT

WHEREAS, I, O. Burak Ozdoganlar, of Sewickley, Pennsylvania, along with Louis D. Falo, Jr. and Geza Erdos, have invented a certain invention, entitled DISSOLVABLE MICRONEEDLE ARRAYS FOR TRANSDERMAL DELIVERY TO HUMAN SKIN, as described in the following patent applications:

- U.S. Provisional Patent Application No. 61/279,623, filed on October 23, 2009, entitled "DISSOLVABLE MICRONEEDLE ARRAYS FOR TRANSDERMAL DELIVERY TO HUMAN SKIN,"
- U.S. Patent Application No. 12/910,516, filed on October 22, 2010, entitled "DISSOLVABLE MICRONEEDLE ARRAYS FOR TRANSDERMAL DELIVERY TO HUMAN SKIN,"
- U.S. Patent Application No. 14/458,050, filed on August 12, 2014, entitled "DISSOLVABLE MICRONEEDLE ARRAYS FOR TRANSDERMAL DELIVERY TO HUMAN SKIN,"

which applications are collectively referred to as "the patent applications."

WHEREAS, Carnegie Mellon University, a university, having a place of business at 5000 Forbes Avenue, Pittsburgh, Pennsylvania, 15213, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, O. Burak Ozdoganlar hereby sell, assign and transfer to Carnegie Mellon University, the full and exclusive right, title and interest in and to said invention, the patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by Carnegie Mellon University, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to Carnegie Mellon University, or its successors

and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Carnegie Mellon University, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

I confirm that at the time the invention was made, I was under an obligation to assign the invention to Carnegie Mellon University.

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite my signature below

At City and State on this 15 day of State on this 15 day of State on the contract of the contr

STATE OF PENNSYLVANIA COUNTY OF ALL GALLY

This 18 day of St Bin Dir., 20 14, before me personally came the above-named O. Burak Ozdoganlar, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by O. Burak Ozdoganlar's own free will for the purpose set forth therein.

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Sean Petrisko, Notary Public Homestead Boro, Allegheny County My Commission Expires May 7, 2017

ER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Notary Public For PENA SYLVANIA

Ozdoganla

My commission expires: May 7, 2017

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