501950689 06/11/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gregory Sorenson	05/07/2012
Mahesh Mahanthappa	05/07/2012
Keiva Coppage	04/20/2012

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13472817

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ATTORNEY DOCKET NUMBER:	P120009US01
NAME OF SUBMITTER:	Amy Kruse

Total Attachments: 4

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> PATENT REEL: 028352 FRAME: 0051

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ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
DICARBOXYLATE GEMIN	NI SURFACTANT THAT FOR	RMS A LYOTROPIC LIQUID	CRYSTAL
PAT	UNITED STATES	13/472817	May 16, 2012

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P120009US01

Wisconsin Alumni Research Foundation

PATENT REEL: 028352 FRAME: 0052

Inventor:		Date: Mry 7 2012
Gregory Sorer 2030 Fish Hat		
Apt 16 Madison, WI	53713	
State of Wisconsin))ss.	
County of Dane)	
Sorenson, known to i	me to be the person identified above as the lacknowledged to me that he or she executorth.	"Inventor," who executed the
SEAL	Notary Public	
	My Commission expires: $1/-2 = 3$	015

ASSIGNMENT

Ref: P120009US01 App.#: , Filed:

Wisconsin Alumni Research Foundation

PATENT REEL: 028352 FRAME: 0053

Inventor: Mah W. Mahthy Date: May 7, 2012
Mahesh Mahanthappa
530 W. Doty St. Unit 303
Madison, WI 53703
State of Wisconsin))ss.
County of Dane)
On this 7 Th day of May, 2017 before me personally appeared Mahesh Mahanthappa, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.
SEAL BUYEHawood
Notary Public

My Commission expires: 11-22-2015

ASSIGNMENT

Ref: P120009US01 App.#:, Filed:

Wisconsin Alumni Research Foundation

Inventor: Miva Copage Journ Copage Date: 4.20-12 Keiva Coppage 916 Summit Ave Beloit, WI 53511
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)ss. County of Dane)
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Notary Public
My Commission expires:



PATENT REEL: 028352 FRAME: 0055

RECORDED: 06/11/2012

ASSIGNMENT

Ref: P120009US01 App.#:, Filed:

Wisconsin Alumni Research Foundation