### 502024296 08/14/2012

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Michael WITTEK	06/27/2012
Brigitte SCHULER	06/27/2012
Lars LIETZAU	06/27/2012

#### RECEIVING PARTY DATA

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13578890

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	MERCK-3978
NAME OF SUBMITTER:	Brion P. Heaney

**Total Attachments: 1** 

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PATENT REEL: 028783 FRAME: 0196 OP \$40.00 13578890

# **ASSIGNMENT**

ATTY, DOCKET NO.

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

#### LIQUID-CRYSTALLINE MEDIUM

and for w	nich one or	more of the following apply:			
	U.S. Prov	isional Application Serial No.	was filed in the United	d States Patent and Trademark Office on	
	A U.S. No	on-Provisional			
	☐ □ ☑ AND WH	as International Application No.	L etters Patent was filed i	States Patent and Trademark Office was executed on even dat in the U.S. Patent and Trademark Office on , designating the United States. 25.01.2011	e.
		MERCK PAT MIT BESCHI Darmstadt G	ENT GESELLSCHAFT RÄNKTER HAFTUNG		

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), reissues, reexaminations and extensions thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents inthe United States and/or any countries foreign thereto concerning said invention, ASIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign),divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to property record this document.

# IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Michael WITTEK	11/1/	07.06.0040
02 FULL NAME OF SECOND JOINT INVENTOR	INVENTORS SIGNATURE	27.06.2012
Brigitte SCHULER	P. B. II	DATE
203 FULL NAME OF THIRD JOINT INVENTOR	While 200	27.06.2012
	NVENTOR'S SIGNATURE	DATE
Lars LIETZAU	Long Gulgan	27.06.2012
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	
		DATE
206 FULL NAME OF SIXTH JOINT INVENTOR		
or over the state of the state	INVENTOR'S SIGNATURE	DATE
		ļ
07 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
08 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
		DATE
09 FULL NAME OF NINTH JOINT INVENTOR	DRADA	
	INVENTOR'S SIGNATURE	DATE

PATENT REEL: 028783 FRAME: 0197

RECORDED: 08/14/2012