PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DR. RALF MUELLER	12/19/2019
DR. MATTHIAS STOCKMEIER	12/19/2019
DR. MICHAEL VOGEL	12/20/2019
DR. ARND-DIETRICH WEBER	12/20/2019
DR. BERNHARD ECKER	02/01/2020

RECEIVING PARTY DATA

Name:	SICRYSTAL GMBH
Street Address:	THURN-UND-TAXIS-STRASSE 20
City:	NUERNBERG
State/Country:	GERMANY
Postal Code:	D-90411

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16791028

CORRESPONDENCE DATA

Fax Number: (954)925-1101

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.

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Email: OFFICE@PATENTUSA.COM

Correspondent Name: LERNER GREENBERG STEMER LLP

Address Line 1: P.O. BOX 2480

Address Line 4: HOLLYWOOD, FLORIDA 33022-2480

ATTORNEY DOCKET NUMBER:	RSH-192214
NAME OF SUBMITTER:	RALPH E LOCHER
SIGNATURE:	/ralph e locher/
DATE SIGNED:	03/03/2020

Total Attachments: 5

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PATENT REEL: 051998 FRAME: 0124

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PATENT REEL: 051998 FRAME: 0125

ASSIGNMENT

WHEREAS I	, Dr.	Ralf	MUELLER	, residing	at H	ermann-Loens	-Strasse	23,	90513
Zirndorf, Geri	many	have	invented c	ertain new	and	useful improve	ements in	a(n)).

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, SiCrystal GmbH (hereinafter Assignee), a German corporation doing business at Thurn-und-Taxis-Strasse 20, 90411 Nuernberg, Germany is desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, its legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by me, had this assignment and sale not been made.

AND I hereby authorize the said Assignee to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignee, as the assignee of the entire right, title and interest in and to the same.

Legal Name of Inventor: Ur. Rait MUELLER	
maring.	(L.S.)
John Market	12/19/2019
Signature	Date

ASSIGNMENT

WHEREAS I, **Dr. Matthias STOCKMEIER**, residing at Arlesbrunnenstrasse 264, 91349 Egloffstein Germany, have invented certain new and useful improvements in a(n)

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, **SiCrystal GmbH** (hereinafter Assignee), a German corporation doing business at **Thurn-und-Taxis-Strasse 20, 90411 Nuernberg, Germany** is desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, its legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by me, had this assignment and sale not been made.

AND I hereby authorize the said Assignee to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignee, as the assignee of the entire right, title and interest in and to the same.

egal Name of Inve	entor: Dr. Matthia :	S STOCKMEIER	;	
1 11.	n 1.	(L.S.)	in 1 rala in in.	
Maldins	Mode		12/13/2019	
Signature	1,000		Date	
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ASSIGNMENT

WHEREAS I, Dr. Michael VOGEL, residing at Am Messehaus 16,	90489 Nuernberg,
Germany, have invented certain new and useful improvements in a	a(n)

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, SiCrystal GmbH (hereinafter Assignee), a German corporation doing business at Thurn-und-Taxis-Strasse 20, 90411 Nuernberg, Germany is desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, its legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by me, had this assignment and sale not been made.

AND I hereby authorize the said Assignee to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignee, as the assignee of the entire right, title and interest in and to the same.

Legal Name of Inventor: Dr. Michael VOGEL	
$AH_A = AA$	(L.S.)
IVIAN IVA	12/20/2013
Signature	Date

ASSIGNMENT

WHEREAS I, **Dr. Arnd-Dietrich WEBER**, residing at Hans-Sachs-Strasse 35, 91301 Forchheim, Germany, have invented certain new and useful improvements in a(n)

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, **SiCrystal GmbH** (hereinafter Assignee), a German corporation doing business at **Thurn-und-Taxis-Strasse 20**, **90411 Nuernberg**, **Germany** is desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, its legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by me, had this assignment and sale not been made.

AND I hereby authorize the said Assignee to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignee, as the assignee of the entire right, title and interest in and to the same.

Legal Name of Inventor: Dr. Arnd-Dietrich WEBER

(L.S.)

Signature

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RECORDED: 03/03/2020

ASSIGNMENT

WHEREAS	١,	Dr.	Bernhard	ECKER,	residing	at	Am	Nordostbahnhof	84,	90491
Nuernberg,	Ge	rma	ny, have in	vented ce	rtain new	an	d us	eful improvement	s in	a(n)

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, SiCrystal GmbH (hereinafter Assignee), a German corporation doing business at Thurn-und-Taxis-Strasse 20, 90411 Nuernberg, Germany is desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, its legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by me, had this assignment and sale not been made.

AND I hereby authorize the said Assignee to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignee, as the assignee of the entire right, title and interest in and to the same.

Legal Name of Inventor: Dr. Bernhard ECKE	ER	
# 0 0	(L.S.)	
Meg	<u> 011 021 2020 </u>	
Signature	Date	

PATENT REEL: 051998 FRAME: 0130