

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6213252

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
MERCK PATENT GMBH		07/16/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	RAYNERGY TEK INCORPORATION	
<b>Street Address:</b>	2F, NO. 60, PARK AVENUE 2, HSINCHU SCIENCE PARK	
<b>City:</b>	HSINCHU	
<b>State/Country:</b>	TAIWAN	
<b>PROPERTY NUMBERS Total: 53</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	10515159	
Application Number:	12985145	
Application Number:	10963720	
Application Number:	11205791	
Application Number:	12887897	
Application Number:	11141979	
Application Number:	11916944	
Application Number:	11374329	
Application Number:	11375643	
Application Number:	11851591	
Application Number:	13191264	
Application Number:	14046567	
Application Number:	11851559	
Application Number:	12738471	
Application Number:	12495931	
Application Number:	13389906	
Application Number:	13578931	
Application Number:	14829698	
Application Number:	13642180	
Application Number:	14674934	
Application Number:	13808995	

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Property Type	Number
Application Number:	13812950
Application Number:	14731917
Application Number:	13879249
Application Number:	13993693
Application Number:	13542496
Application Number:	13777183
Application Number:	14234235
Application Number:	14240887
Application Number:	14346757
Application Number:	14049536
Application Number:	14385609
Application Number:	14452713
Application Number:	14652919
Application Number:	14900482
Application Number:	15508010
Application Number:	16075396
Application Number:	16085037
Application Number:	16085046
Application Number:	16315757
Application Number:	16327142
Application Number:	16329267
Application Number:	15724710
Application Number:	16339433
Application Number:	16346429
Application Number:	16339573
Application Number:	15833742
Application Number:	16339422
Application Number:	16492377
Application Number:	16637950
Application Number:	16646846
Application Number:	16760917
Application Number:	16763147

#### CORRESPONDENCE DATA

Fax Number: (703)880-7487

*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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<b>Correspondent Name:</b>	WPAT, PC INTELLECTUAL PROPERTY ATTORNEY
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<b>ATTORNEY DOCKET NUMBER:</b>	69620-RAYNERGY
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<b>NAME OF SUBMITTER:</b>	JUSTIN KING
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<b>SIGNATURE:</b>	/Justin King/
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<b>DATE SIGNED:</b>	07/22/2020
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**Total Attachments: 3**

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# ASSIGNMENT

WHEREAS, I(we), **MERCK PATENT GMBH**, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented and/or owned certain new and useful invention(s) as the followings:

10/515,159	MATERIAL FOR FUNCTIONAL LAYER OF ORGANIC ELECTRONIC COMPONENT
12/985,145	MATERIAL FOR FUNCTIONAL LAYER OF ORGANIC ELECTRONIC COMPONENT
10/963,720	POLY(BENZODITHIOPHENES)
11/205,791	ORGANIC MATERIAL PHOTODIODE
12/887,897	ORGANIC MATERIAL PHOTODIODE
11/141,979	PHOTOACTIVE MATERIALS AND RELATED COMPOUNDS, DEVICES, AND METHODS
11/916,944	MONO-, OLIGO- AND POLYMERS OF THIENOTHIAZOLE
11/374,329	POLYMER PHOTOVOLTAIC CELL
11/375,643	POLYMERS WITH LOW BAND GAPS AND HIGH
11/851,591	PHOTOVOLTAIC CELL WITH THIAZOLE-CONTAINING POLYMER
13/191,264	PHOTOVOLTAIC CELL WITH THIAZOLE-CONTAINING POLYMER
14/046,567	PHOTOVOLTAIC CELL WITH THIAZOLE-CONTAINING POLYMER
11/851,559	PHOTOVOLTAIC CELL WITH SILOLE-CONTAINING POLYMER
12/738,471	CONDUCTING FORMULATION
12/495,931	NOVEL PHOTOACTIVE CO- POLYMERS
13/389,906	PHENANTHRO[1,10,9,8-C,D,E,F,G]CARBAZOLE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS
13/578,931	SEMICONDUCTING POLYMERS
14/829,698	SEMICONDUCTING POLYMERS
13/642,180	POLYMERS OF BENZODITHIOPHENE AND THEIR USE AS ORGANIC SEMICONDUCTORS
14/674,934	POLYMERS OF BENZODITHIOPHENE AND THEIR USE AS ORGANIC SEMICONDUCTORS
13/808,995	SEMICONDUCTING POLYMERS
13/812,950	POLYMERS CONTAINING SUBSTITUTED BENZODITHIOPHENE UNITS, BLENDS CONTAINING SAID POLYMERS, AND DEVICES CONTAINING SAID POLYMERS OR BLENDS
14/731,917	CONJUGATED POLYMERS
13/879,249	CONJUGATED POLYMERS
13/993,693	CONJUGATED POLYMERS
13/542,496	PHOTOVOLTAIC CELL WITH BENZODITHIOPHENE-CONTAINING POLYMER
13/777,183	PHOTOVOLTAIC CELL CONTAINING NOVEL PHOTOACTIVE POLYMER
14/234,235	CONJUGATED POLYMERS
14/240,887	ORGANIC SEMICONDUCTOR FORMULATION
14/346,757	CONJUGATED POLYMERS
14/049,536	NOVEL PHOTOACTIVE POLYMERS
14/385,609	CONJUGATED POLYMERS
14/452,713	CONJUGATED POLYMERS

14/652,919	POLYMER COMPRISING A THIADIAZOL GROUP, THE PRODUCTION OF SUCH POLYMER AND ITS USE IN ORGANIC ELECTRONIC DEVICES
14/900,482	CONJUGATED POLYMERS
15/508,010	FULLERENE MIXTURES
16/075,396	ORGANIC SEMICONDUCTORS
16/085,037	ORGANIC SEMICONDUCTORS
16/085,046	ORGANIC SEMICONDUCTORS
16/315,757	ORGANIC SEMICONDUCTING COMPOUNDS
16/327,142	ORGANIC SEMICONDUCTING COMPOUNDS
16/329,267	ORGANIC SEMICONDUCTORS
15/724,710	ORGANIC SEMICONDUCTING COMPOUNDS
16/339,433	ORGANIC SEMICONDUCTING COMPOUNDS
16/346,429	ORGANIC SEMICONDUCTING COMPOUNDS
16/339,573	ORGANIC SEMICONDUCTING COMPOUNDS
15/833,742	ORGANIC SEMICONDUCTING COMPOUNDS
16/339,422	ORGANIC PHOTODETECTOR
16/492,377	ORGANIC SEMICONDUCTING COMPOUNDS
16/637,950	ORGANIC SEMICONDUCTING POLYMER
16/646,846	ORGANIC SEMICONDUCTING COMPOUNDS
16/760,917	ORGANIC SEMICONDUCTING COMPOUNDS
16/763,147	ORGANIC SEMICONDUCTING COMPOUNDS

WHEREAS, **Raynergy Tek Incorporation**  
whose post office address is **2F, No. 60, Park Avenue 2, Hsinchu Science Park, Hsinchu, Taiwan.**  
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and its territorial possessions;

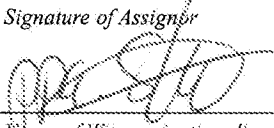
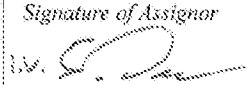
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment;

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to the said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance, litigation and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of WPAT, PC (Customer No. 65358) to insert or complete any information in this document needed to effect its record in the U.S. Patent and Trademark Office.

Assignor Name/Job Title Dr. Stefan Horstmann Head of Patents B2B	Assignor Name/Job Title Dr. Stephan Derow Patents LC & Decorative Pigments	Address <i>Frankfurt GmbH</i> FRANKFURTER STRASSE 250 64293, DARMSTADT, GERMANY
Signature of Assignor 	Signature of Assignor 	Date of Signature <i>16.07.2020</i>
Name of Witness (optional)	Name of Witness (optional)	
Signature of Witness (optional)	Signature of Witness (optional)	