

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8060766

<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	11/12/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FLEXENABLE LIMITED
<b>Street Address:</b>	34 CAMBRIDGE SCIENCE PARK
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	CB4 0FX
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	10879477
<b>Patent Number:</b>	10164191
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	CRAIG W. HAYDEN
<b>SIGNATURE:</b>	/Craig W. Hayden/
<b>DATE SIGNED:</b>	07/17/2023
<b>Total Attachments: 23</b>	
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### Intellectual Property Assignment Agreement

This Intellectual Property Assignment Agreement (the "IPAA") is made effective as of the last of the dates as set forth on the signature page hereto (the "Effective Date") by and among the Assignor and the Assignee (each as defined below).

**WHEREAS**, Merck KGaA, Frankfurter Strasse 250, 64293 Darmstadt, Germany (the "Seller"), a limited partnership on shares organized under the laws of Germany, and FlexEnable Ltd., 34, Cambridge Science Park, CB4 0F, Cambridge, UK (the "Assignee"), a company organized under the laws of the UK (the "Assignee"), are parties to a certain Intellectual Property Sales Agreement dated October 31st, 2019, pursuant to which the Seller agreed to sell, and the Assignee agreed to purchase, the rights, title and interest to the patents and patent applications as set forth in Exhibit 1 hereto (the "Patents");

**WHEREAS**, Merck Patent GmbH Darmstadt, Frankfurter Strasse 250, 64293 Darmstadt, Germany (the "Assignor"), a limited liability company organized under the laws of Germany, is an affiliated company of the Seller, is the applicant or co-applicant named on the Patents, and is authorized by the Seller to assign the Patents to the Assignee;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor and the Assignee agree as follows:

1) Assignment of Intellectual Property. Effective as of the Effective Date, the Assignor hereby transfers, conveys, assigns, and delivers to the Assignee, and Assignee hereby accepts, all right, title, and interest of the Assignor in and to the Patents.

For the avoidance of doubt, this IPAA shall not limit, extinguish, or otherwise affect in any fashion whatsoever the rights of any respective co-applicant(s) as named on those Patents that were jointly filed by the Assignor and said respective co-applicant(s) ("Jointly Filed Patents").

2) Recordation. The Assignor authorizes the empowered officials in any applicable jurisdiction to record the transfer of the registrations and/or applications for registration as listed in Exhibit A to the Assignee's entire right, title, and interest therein; provided, however, for the avoidance of doubt, such transfer of the registrations and/or applications for registration shall not limit, extinguish, or otherwise affect in any fashion whatsoever the rights of said respective co-applicant(s) in the Jointly Filed Patents. Assignor agrees to further execute any documents reasonably necessary to effect this assignment or to confirm Assignee's ownership of the Patents.

3) Successors. This IPAA shall inure to the benefit of and is binding upon the respective successors of the Assignor and the Assignee.

4) Governing Law. This IPAA shall be governed by and construed in accordance with the laws of Germany.

Final

IN WITNESS WHEREOF, the Assignor and the Assignee caused this IPAA to be duly executed as of the last of the dates as set forth below.

ASSIGNOR:

Merek Patent GmbH Darmstadt, Germany

ppa. Dr. Sabine Schoen  
PS-D

S. Schoen

Date: 12.11.2019

ASSIGNEE:

FlexEnable Ltd.

By:

[Signature]  
Name: Chuck Milligan

Date: 17.12.19

i.V. Dr. Peter Selg  
PS-CM

[Signature]

Date: 12.11.2019

Exhibit I to IP Sales Agreement March/February

Marsh Ref No.	Title	First Priority	Appl. Date	Country	Appl. Number	Publ. Date	Publ. Number	Grant Date	Grant Number	Grant Applicants
999-001	PROCESS FOR THE SEPARATION OF POLYMER FRACTIONS	18 JUN 1999 - 08914184.0, 18 JUN 1999 - 08914183.2	20010614	JP	2001-595287			2011222	489708	
999-001	PROCESS FOR THE SEPARATION OF POLYMER FRACTIONS	18 JUN 1999 - 08914184.0, 18 JUN 1999 - 08914183.2	20000814	US	08-979,843			2001125	6,002,510	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	CA	2,427,222			20140012	2,427,222	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	CH	01999011.6	20020925	1,640,780	20070303	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	CN	01199461.6	20040225	1,640,809	20080803	2,019,195,638	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	DE	01999011.6	20020925	1,640,780	20070303	011,587,913	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	EP	01999011.6	20020925	1,640,780	20070303	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	FR	01999011.6	20020925	1,640,780	20070303	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	GB	01999011.6	20020925	1,640,780	20070303	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	IT	01999011.6	20020925	1,640,780	20070303	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	JP	2002-547,293	20040819	2,200,470	20091225	4,479,603	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	KR	10-2001-006997	20030702	2003-55,418	20080415	30,340,618	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	MX	01999011.6	20030903	1,640,780	20070103	1,640,780	
999-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28 NOV 2000 - 08914187.0	20011121	US	10,416,085	20040728	2,028,608,459	20060823	7,095,044	
999-001	Photodiodes with polyaromatic group	28 JUN 2001 - 09013574.8	20020709	US	10,730,512	20030501	2,003,050,112	20040309	6,892,783	
999-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC SELECTIVE	19 DEC 2001 - 08913573.3	20021121	CN	03888191.8	20031116	1,688,128	20091118	2,038,818,128	
999-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC SELECTIVE	19 DEC 2001 - 08913573.3	20021121	DE	02779719.0	20040622	1,659,192	20110921	4,024,104.1	
999-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC SELECTIVE	19 DEC 2001 - 08913573.3	20021121	EP	02779719.0	20040622	1,659,192	20110921	4,024,192	
999-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC SELECTIVE	19 DEC 2001 - 08913573.3	20021121	FR	02779719.0	20040622	1,659,192	20110921	4,024,192	
999-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC SELECTIVE	19 DEC 2001 - 08913573.3	20021121	GB	02779719.0	20040622	1,659,192	20110921	4,024,192	

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Table 1 to 20 (Continued)

POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	25 DEC 2003	20031121	GB	02775719.8	20040922	1485992	20110921	1485992	
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20110516	JP	2011-159286			20150910	5727293	
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	10 DEC 2001	20110516	JP	2011-159287			20150910	5727294	
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050
POI 001	ORGANIC FIELD EFFECT TRANSDUCER WITH AN ORGANIC DILECTRIC	19 DEC 2001	20031121	US	02775719.8	20040922	1485992	20110921	1485992	6021118050

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910-0981	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20110828	P	2008-27-2902	20170930	P0913-	632284	20130809	6413188	
910-0982	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20110828	P	2013-31-1569	20180822	P2013-	538654	20180823	6409289	
910-0983	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20110828	P	10-2012-				20190122	10-1943110	
910-0984	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20110526	P	20110526	20111126	20134855	20160303	022885		
910-0985	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20110428	P	14790-298	20130311	2014206045	20151208	9-290-391		
910-0986	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010	EP10009495.6	20151120	P	149907-310	20160912	2016-013803				
910-128	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110714	P	2011080013	20130424	103055114	20150524	220180940	131.7	
910-129	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110714	P	2011-14-5846	20131107	2013-	20160916	809342		
910-130	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110714	P	10-2012-			20180306	10-183791		
910-131	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110812	P	100128976	20120316	201211051	20151221	513392		
910-132	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110714	P	117916-593	20130619	2013-0146918	20180905	3-209-172		
910-133	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110828	P	2011080420	20130208	1039974104	20180822	2120118042	299.9	
910-134	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110714	P	10202583.3	20131225	2016078	20150824	6020110140	5.1	
910-135	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110828	P	11731348.0	20130730	20110802	20131204	60201102119	94025102119	
910-136	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10008489.0	20110828	P	117515446.0	20130710	20110842	20151104	20110842	8.6	
910-137	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-138	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-139	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-140	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-141	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-142	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-143	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-144	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-145	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-146	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-147	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-148	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		
910-149	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	117515446.0	20130710	20110842	20151104	20110842		
910-150	ANALYSIS OF 7,8-DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	13 AUG 2010	EP10009119.8	20130919	P	18809399.1	20131225	2016978	20150824	2016978		





Table 1 to 9: Seta Agreement Methyl Feedstocks

P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	EP	1370325.9	20141224	2014853	20170228	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	FR	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	GB	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	IT	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	JP	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	KR	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	RU	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US8,675,992 A99	20130119	US	1370325.9	20141224	2014853	20170226	2014853	SAVERK+PROGRESSIVE LLC
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	DE	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	EP	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	FR	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	GB	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	IT	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	JP	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	KR	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	RU	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	ORGANIC SEMICONDUCTING MEMBERS	16. FEB 2012 - EP12001035.9	20130118	US	13701296.8	20141224	2014861	20170226	2014861	SA
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	FR	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	EP	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	GB	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	IT	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	JP	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	KR	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	RU	13714412.1	20150324	2014484			
P12-012	CONDUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	US	13714412.1	20150324	2014484			

CONFIDENTIAL





Exhibit 1 to US Patent Application No. 2014/011214

P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	EP	13729633.1	20130817	2002258	20181028	2001554		
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	FR	13729633.1	20130817	2002258	20181028	2001554		
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	GB	13729633.1	20130817	2002258	20181028	2001554		
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	IT	13729633.1	20130817	2002258	20181028	2001554		
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	JP	2013-025766	20130917	577434				
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	KR	10-2015-						
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	TW	102116641	20140601	20141259	20181221	664554		
P12-147	ORGANIC SEMICONDUCTING FORMULATION	29 AUG 2012 - EP1290679.0	20130718	US	14/419,968	20150906	2015-021866	20180628	8,594,173		
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	SE	13737802.2	20130701	2002807	20170908	2002807	5	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	FR	13737802.2	20130701	2002807	20170908	2002807		
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	GB	13737802.2	20130701	2002807	20170908	2002807		
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	IT	13737802.2	20130701	2002807	20170908	2002807		
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	JP	13737802.2	20130701	2002807	20170908	2002807		
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	KR	1013-025766	20130917	577434				
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP1290679.5	20130710	US	14/412,486	20131112	2015-022208	20180621	10,653,542		
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	CN	20130806383	20150520	200611482A	20171229	2,201,88205		
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	FR	13745589.5	20150715	2015175		698.6		
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	JP	2013-628899	20150928	5286424		6297566		
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	KR	10-2015-						
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	TW	102117202	20140215	20141899	20171013	660212		
P12-160	PROCESSES OF SURFACE MODIFICATION OF ELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	24 SEP 2012 - EP1290679.1	20130806	US	14/412,017	20150813	2015-022803	20160930	9,450,149		
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US617794.112	20130905	CN	20130905473	20150603	200665458	20180615	1,611,89008		
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US617794.112	20130905	FR	13751809.8	20150729	2006654		754.0		

CONFIDENTIAL

Exhibit 1 to IP Sales Agreement with Intel

912-128	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012	20130905	IP	20130905	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-129	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012	20130905	IP	20130905	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-130	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012	20130918	IP	20130918	20140116	20141007	20170101	599507	Intel Promerus LLC
912-131	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012	20130905	IP	20130905	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-132	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-133	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-134	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-135	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-136	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-137	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-138	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-139	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-140	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-141	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-142	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-143	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-144	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-145	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-146	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-147	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-148	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-149	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC
912-150	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	21 SEP 2012	20130822	IP	20130822	20131217	20150112	20150212	6498995	Intel Promerus LLC

CONFIDENTIAL

Exhibit 1 to the Sales Agreements dated 7/26/2016

P13-113	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BARK STRUCTURES, BARK STRUCTURES AND ELECTRONIC DEVICES INCORPORATED THEREWITH	28 NOV 2013 EP1302058 B	20131107	US	02100576	20130701	20140630	20180111	611470
P13-114	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BARK STRUCTURES, BARK STRUCTURES AND ELECTRONIC DEVICES INCORPORATED THEREWITH	28 NOV 2013 EP1302058 B	20131107	US	04041208	20130824	20140701	20180130	8492 ANS
P13-157	HEBROMETHANIMINE BASED COMPOUNDS	18 DEC 2012 EP1308418.1	20131121	US	13798216	20130728	20130728	20180221	62801801.8
P13-157	HEBROMETHANIMINE BASED COMPOUNDS	18 DEC 2012 EP1308418.1	20131121	US	13798216	20130728	20130728	20180221	62801801.8
P13-158	ORGANIC ELECTRONIC DEVICES	30 SEP 2013 CN20131048584.8	20140915	CN	2013063163	20130727	20140304	20180221	62801801.8
P13-159	ORGANIC ELECTRONIC DEVICES	30 SEP 2013 CN20131048584.8	20140915	CN	2013063163	20130727	20140304	20180221	62801801.8
P13-160	ORGANIC ELECTRONIC DEVICES	30 SEP 2013 CN20131048584.8	20140915	CN	2013063163	20130727	20140304	20180221	62801801.8
P13-160	ORGANIC ELECTRONIC DEVICES	30 SEP 2013 CN20131048584.8	20140915	CN	2013063163	20130727	20140304	20180221	62801801.8
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-169	CONJUGATED POLYIMERS	22 OCT 2013 EP1305048.7	20140925	US	14773517.7	20130801	20130812	20190819	3008022
P13-187	NOVEL POLYCYClic POLYMER COMPRISING THIOPHENE SITES, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 EP1308555.1	20141029	US	1479817.8	20130728	20130728	20171227	50232401.9.8
P13-187	NOVEL POLYCYClic POLYMER COMPRISING THIOPHENE SITES, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 EP1308555.1	20141029	US	1479817.8	20130728	20130728	20171227	50232401.9.8
P13-187	NOVEL POLYCYClic POLYMER COMPRISING THIOPHENE SITES, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 EP1308555.1	20141029	US	1479817.8	20130728	20130728	20171227	50232401.9.8
P13-187	NOVEL POLYCYClic POLYMER COMPRISING THIOPHENE SITES, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 EP1308555.1	20141029	US	1479817.8	20130728	20130728	20171227	50232401.9.8
P13-187	NOVEL POLYCYClic POLYMER COMPRISING THIOPHENE SITES, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 EP1308555.1	20141029	US	1479817.8	20130728	20130728	20171227	50232401.9.8

-CONFIDENTIAL-

213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014029	08	14796517.8	20161205	2024453	20171227	2024453	Mark, International, 491 Main, NY Braunschweig
213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014029	9	14796517.8	20161205	2024453	20171227	2024453	Mark, International, 491 Main, NY Braunschweig
213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014029	9	2016-154915	20170223	2017-2001204			Mark, International, 491 Main, NY Braunschweig
213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014029	9	18-2016-7017207					Mark, International, 491 Main, NY Braunschweig
213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014127	7W	10164152	20160716	201527947	2016031	1046124	Mark, International, 491 Main, NY Braunschweig
213-187	NOVEL POLYCYCLIC POLYMER COMPRISING THIOURENE UNIT, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP1300655.1	2014029	9	1371001380	20160313	2016-0301020	20161120	10134394	Mark, International, 491 Main, NY Braunschweig
214-028	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19 FEB 2014 - EP1400976.0	2015015	9	2015002915	20160225	10080914			Mark, International, 491 Main, NY Braunschweig
214-028	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19 FEB 2014 - EP1400976.0	2015016	9	13730962.8	20161126	1108112			Mark, International, 491 Main, NY Braunschweig
214-028	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19 FEB 2014 - EP1400976.0	2015015	4B	10-2016-7027386					Mark, International, 491 Main, NY Braunschweig
214-028	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19 FEB 2014 - EP1400976.0	2015016	9S	137119732	20160302	2017-0882722	20161125	10164193	Mark, International, 491 Main, NY Braunschweig
214-028	CYCLIC ARINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLIC ARINE SURFACE MODIFIER	19 FEB 2014 - EP1400976.2	2015016	2N	2015000013	20161026	10080920A	2016045	110150003	Mark, International, 491 Main, NY Braunschweig

CONFIDENTIAL

Exhibit 1 to IP Sales Agreement Merck/Pfizer/Abb

P14-028	CYCLIC AMINE SURFACE MONOLAYER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLIC AMINE SURFACE MONOLAYER	29 FEB 2014 - EP140009375.2	20150216	EP	US20097218	20141228	3108517		Merck, InnovationLab, Bayer AG, TU Braunschweig
P14-029	CYCLIC AMINE SURFACE MONOLAYER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLIC AMINE SURFACE MONOLAYER	29 FEB 2014 - EP140009375.2	20150216	EP	2014-053550	20150206	92017-5186276		Merck, InnovationLab, Bayer AG, TU Braunschweig
P14-030	CYCLIC AMINE SURFACE MONOLAYER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLIC AMINE SURFACE MONOLAYER	29 FEB 2014 - EP140009375.2	20150216	KR	202016072795				Merck, InnovationLab, Bayer AG, TU Braunschweig
P14-031	CYCLIC AMINE SURFACE MONOLAYER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLIC AMINE SURFACE MONOLAYER	29 FEB 2014 - EP140009375.2	20150216	US	US1197399	20150802	2012-0061244		Merck, InnovationLab, Bayer AG, TU Braunschweig
P14-032	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	CN	20150001264	20151102	1086965696	20190122	Merck+Prometheus LLC
P14-033	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	DK	15794215.1	20150318	3117469	20180131	Merck+Prometheus LLC
P14-034	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	EP	15794215.1	20150318	3117469	20180131	Merck+Prometheus LLC
P14-035	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	GB	15794215.1	20150318	3117469	20180131	Merck+Prometheus LLC
P14-036	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	FR	15794215.1	20150318	3117469	20180131	Merck+Prometheus LLC
P14-037	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	IT	15794215.1	20150318	3117469	20180131	Merck+Prometheus LLC
P14-038	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	JP	2014-096733	20150406	63017-5105776		Merck+Prometheus LLC
P14-039	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	KR	10209167				Merck+Prometheus LLC
P14-040	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150213	US	15723391	20150126	2017-0025612	20180502	Merck+Prometheus LLC
P14-041	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61991610	20150212	CN	20140001196	20141109	1081034604		Merck+Prometheus LLC
P14-042	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP140009721	20150212	EP	15708837	20150125	5139776		Merck+Prometheus LLC
P14-043	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP140009721	20150212	FR	2014-058609	20150125	92017-5128854		Merck+Prometheus LLC
P14-044	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP140009721	20150212	KR	10209167				Merck+Prometheus LLC
P14-045	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP140009721	20150216	TW	104109767	20151016	2015-00008		Merck+Prometheus LLC

CONFIDENTIAL

Exhibit 1 to IP Sales Agreement between Sunovion and Medtronic

914-092	ORGANIC SEMICONDUCTING COMPOUNDS	17. MAR 2014 EP1460297.1	20150212	US	154126,530	20170222	2017-052429			
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	GB	2015003170	20161123	2016-041274			
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	EP	1579199.8	20170215	20170215			
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	JP	2014-241791	20170601	2017- 2144154			
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	SE	10-2016- 20160779					
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	GB	10411347	20160216	20160528			
914-093	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 EP1460113.4	20150117	US	157902,602	20170827	2017-0111477	20180702	201808,657	
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	GB	2015001784	20170227	2016052828			
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	EP	15771126.9	20170605	20170605			
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	JP	2014-599915	20170720	2017- 5186624			
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	SE	10-2016- 20160639					
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	GB	10411378	20160216	20160528			
914-097	TETRAARYL INDACENODIIMOPHENE-BASED POLYCYCLE POLYMERS AND THEIR USE	26. MAY 2014 EP1460182.4	20150208	US	15771113.0	20170518	2017-0141317	20180423	201702034	
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	GB	2015004630	20170227	2017052828			
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	JP	15771302.8	20170607	20170915			
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	JP	2017-505296	20170631	2017- 5287824			
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	US	10-2017- 20160867					
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	GB	1041134416	20160603	201613232			
914-148	TETRA-ARYL INDACENODIIMOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUN 2014 EP1460272.9	20150626	US	10-2016-045 20160727	2017-0210793	20180117	201802,242		
914-191	SEMICONDUCTOR COMPOSITION COMPRISING AN ORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC SUBSTRATE	20. SEP 2014 EP1460171.3	20150902	GB	2015000263	20170818	20170818			
914-191	SEMICONDUCTOR COMPOSITION COMPRISING AN ORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC SUBSTRATE	20. SEP 2014 EP1460171.3	20150902	JP	1576091.3	20170809	20170809			

CONFIDENTIAL

ANNEX 1 to IP Sales Agreement between Intel and Intel

P15-101	SEMICONDUCTOR COMPOSITION COMPRISING AN ORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC PAPER	30 SEP 2014 - EP1469273.3	EP	2017-017064	20180138	6008344	2018-061798		
P15-101	SEMICONDUCTOR COMPOSITION COMPRISING AN ORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30 SEP 2014 - EP1469273.3	EP	2017-017064	20180138	6008344	2018-061798		
P15-101	SEMICONDUCTOR COMPOSITION COMPRISING AN ORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30 SEP 2014 - EP1469273.3	EP	2017-017064	20180138	6008344	2018-061798		
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-089	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP1516736.4	EP	20160477	20160477	3294795			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP1518033.8	EP	20160711	20160711	3314432			
P15-261	THIAZOLOPYRONE POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520049.3	EP	20161122	20161122	3386254			

CONFIDENTIAL

14/21

Exhibit 118 of Sales Agreement between FinisTech

915-251	PHOTOGRAPHIC POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520889.2	20161122	IP	1665082.8	20181024	3380095												
915-251	PHOTOGRAPHIC POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520889.2	20161122	IP	201811207	20180128	3380138	5078914											
915-251	PHOTOGRAPHIC POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520889.2	20161122	IP	10-2018-	20170701													
915-251	PHOTOGRAPHIC POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520889.2	20161126	IP	10-14-2018	10-14-2018													
915-251	PHOTOGRAPHIC POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP1520889.2	20161127	IP	140802109	20181227	2018-07-1157												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170515	US	2017050323	20180111	1091986764												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170516	IP	0.2														
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170516	IP	17715807.1	20180327	1489128												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170515	IP	2018100813	20180606	22019-												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170515	US	10-2018-		5155144												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170517	IP	10811646	20171216	201746488												
915-082	ORGANIC ELECTRIC LAYER AND ORGANIC ELECTRONIC DEVICE	18 MAY 2016 - US67338082	20170515	US	147802108														
915-121	ORGANIC SEMICONDUCTORS	18 JUN 2016 - EP16178597.8	20170705	EP	2017060367	20180322	108118884												
915-121	ORGANIC SEMICONDUCTORS	18 JUN 2016 - EP16178597.8	20170705	EP	17784803.9	20180313	3481833												
915-121	ORGANIC SEMICONDUCTORS	18 JUN 2016 - EP16178597.8	20170707	IP	104122642	20180616	201821471												
915-121	ORGANIC SEMICONDUCTORS	18 JUN 2016 - EP16178597.8	20170705	US	147157109														
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	22 MAR 2016 - US627311598	20170322	EP	20170301699	20181123	108860964												
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	22 MAR 2016 - US627311598	20170322	EP	114														
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	22 MAR 2016 - US627311598	20170322	EP	17719041.9	20180130	3408884												
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	22 MAR 2016 - US627311598	20180125	US	147257128														
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	22 MAR 2016 - US627311598	20180322	US	1570866798	2017-07-2908	30182809												
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	12 JUN 2017 - EP17180802.4	20180710	IP	140712861	20190301	201808322												
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	12 JUN 2017 - EP17180802.4	20180709	EP	107163080	20180117	201801886												
915-251	DIAMINE CONTAINING ORGANIC ELECTRONIC COMPONENTS AND DEVICE THEREOF	13 SEP 2017 - EP17180802.4	20180912	IP	107112149	20180601	201921747												

CONFIDENTIAL

2/2/13



P13-222	ELECTRONICS FOR ELECTRONIC DEVICE COMPRISING AN ORGANIC SEMICONDUCTING LAYER	11 SEP 2017 - EP1719088.4	2018011	WO	PC7/EP2018/020190221	2018/05/2978							
P18-044	COMPOSITION COMPRISING A DIELECTRIC COMPOUND AND BE OXYGEN ADHESIVE AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH COMPOSITION	23 MAR 2018 - EP1818542.6	2018025	GB	180604.1		not published						
P19-138	ORGANIC SEMICONDUCTING COMPOUNDS	11 JUL 2018 - EP1818372.8	20180718	WO	PC7/EP2018/020180665		not published						
P18-216	ELECTRONIC DEVICE WITH IMPROVED ADHESION BETWEEN PATTERNED DIELECTRIC LAYER AND PATTERNING LAYER AND METHOD FOR PRODUCING SUCH ELECTRONIC DEVICE	07 NOV 2018 - EP18084797.7	20181157	EP	18084797.7		not published						
P19-098	MODIFICATION OF STRESS RESPONSE AND ADHESION BEHAVIOUR OF DIELECTRIC THROUGH TURNING OF MECHANICAL PROPERTIES	24 JUN 2019 - EP19181886.2	20190624	EP	19181886.2		not published						

The signing parties confirm that this document represents Exhibit 1 to the Intellectual Property Sales Agreement between Merck KGaA and Flexnabe Ltd. having an Effective Date of October 31st, 2019

Date: 28.4.19

Date: 28 Oct 2019

Merck KGaA

ppa:



Stefan Norstmann

Vice President, Patents B2B

Flexnabe Ltd.

Chuck Williams

CEO

IN:



Dr. Stephan Derow

Director, Patents LC & Decorative Pigments