

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7322956

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MERCK PATENT GMBH	10/28/2019
RECEIVING PARTY DATA		
Name:	FLEXENABLE LTD.	
Street Address:	34 CAMBRIDGE SCIENCE PARK, MILTON ROAD	
City:	CAMBRIDGE, CAMBRIDGESHIRE	
State/Country:	UNITED KINGDOM	
Postal Code:	CB4 0FX	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14947410
CORRESPONDENCE DATA		
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NAME OF SUBMITTER:	SANDRA C. MELEAN	
SIGNATURE:	/Sandra Melean/	
DATE SIGNED:	05/10/2022	
Total Attachments: 21		
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Exhibit 1 to IP Sales Agreement March/FlexEnable

March Ref. No.	Title	First Priority	Appl. Date	Country	Appl. Number	Publ. Date	Publ. Number	Grant Date	Grant Number	Joint Applicants
P99-001	PROCESS FOR THE ISOLATION OF POLYMER FRACTIONS	18. JUN 1999 - GB9514164.0, 18. JUN 1999 - GB9514163.2	20000614	JP	2001-505557			20111222	4890706	
P98-001	PROCESS FOR THE ISOLATION OF POLYMER FRACTIONS	18. JUN 1999 - GB9914164.0, 18. JUN 1999 - GB9914163.2	20000614	US	09/979,841			20031125	6,653,510	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	CA	2,427,222			20140812	2,427,222	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	CH	01959012.5	20030903	1340270	20070103	1340270	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	CN	01819563.6	20040225	148309	20080903	2101819563.6	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	DE	01959012.6	20030903	1340270	20070103	60125819.3	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	EP	01959012.6	20030903	1340270	20070103	1340270	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	FR	01959012.6	20030903	1340270	20070103	1340270	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	GB	01959012.6	20030903	1340270	20070103	1340270	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	IT	01959012.6	20030903	1340270	20070103	5030079013.9	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	JP	2002-547243	20040819	P2004-525501A	20091225	4475603	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	KR	10-2003-705697	20030702	2003-55318	20080415	0824026	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	NL	01959012.6	20030903	1340270	20070103	1340270	
P00-001	FIELD EFFECT TRANSISTORS AND MATERIALS AND METHODS FOR THEIR MANUFACTURE	28. NOV 2000 - GB0028867.0	20011121	US	10/416,005	20040226	2004-0038453	20060822	7,095,044	
P01C019	Thienothiophenes with polymerisable group	09. JUL 2001 - EP0115741.9	20020709	US	10/190,512	20030501	2003-0080322	20041005	6,850,763	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	CN	02828181.8	20051116	1698217A	20101110	2103826131.8	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	DE	02779719.0	20040922	1459392	20110921	60241104.1	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	EP	02779719.0	20040922	1459392	20110921	1459392	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	FR	02779719.0	20040922	1459392	20110921	1459392	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	FR	02779719.0	20040922	1459392	20110921	1459392	

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P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	GB	02775719.0	20040922	1459392	20110921	1459392	
P01-002	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	IT	02775719.0	20040922	1459392	20110921	50201180200	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20110516	JP	2011-109286			20150410	5727293	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20110516	JP	2011-109287			20150410	5727294	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	KR	10-2004-7009392	20040712	2004-63176	20100317	0949304	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	NL	02775719.0	20040922	1459392	20110921	1459392	
P01-001	ORGANIC FIELD EFFECT TRANSISTOR WITH AN ORGANIC DIELECTRIC	19. DEC 2001 - GB0130321.3	20021121	US	10/499,040	20050519	2005-0104058	20060418	7,029,945	
P02-155	MONO-, OLIGO- AND POLY(3-ARYNYLTHIOPHENES) AND THEIR USE AS CHARGE TRANSPORT MATERIALS	14. SEP 2002 - EP03030711.4	20030915	US	10/661,812	20040701	2004-0127592	20090602	7,541,425	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	CN	20038010870 6 X	20060222	1739204A	20110608	71200380108	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	DE	03782638.5	20050928	1579518	20160323	60348717.3	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	EP	03782638.5	20050928	1579518	20160323	1579518	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	FR	03782638.5	20050928	1579518	20160323	1579518	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	GB	03782638.5	20050928	1579518	20160323	1579518	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	JP	2005-502581	20060511	P2006-514710A	20110513	4739021	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	KR	10-2005-7011555			20150319	10-1247430	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031219	TW	092136248	20041201	100427120	20100701	1026826	
P02-264	IMPROVEMENTS IN AND RELATING TO ORGANIC SEMICONDUCTING MATERIALS	20. DEC 2002 - GB0229660.6	20031218	US	10/539,745	20060713	2006-0155040	20100518	7,718,734	
P03-036	MONO-, OLIGO- AND POLYMERS COMPRISING BITHIENOTHIOPHENE AND ARYL GROUPS	16. MAY 2003 - EP03030952.4	20040513	US	10/844,443	20041118	2004-0230071	20070717	7,244,809	
P03-174	Mono-, Oligo- and Polythienol(2,3-6)thiophenes	28. AUG 2003 - EP03019501.0	20040830	US	10/928,724	20050428	2005-0090640	20070227	7,183,419	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	DE	04819715.6	20050809	1687830	20100728	60400402839	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	EP	04819715.6	20060609	1687830	20100728	1687830	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	FR	04819715.6	20060809	1687830	20100728	1687830	

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P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	GB	04819715.5	20060609	1687830	20100728	1687830	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	26. NOV 2003 - GB0327654.0	20041125	IT	04819715.5	20060609	1687830	20100728	1687830	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	JP	2006-540612	20070712	P2007-519277A	20120921	5089986	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20120713	JP	2012-157752	20121213	P2012-246295A	20140319	5667128	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	KR	10-2006-791037A			20121226	10-1217963	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	NL	04819715.5	20060809	1687830	20100728	1687830	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041126	TW	093136610	20050901	200529493	20120211	1358144	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20041125	US	10/580382	20070516	2007-0102696	20101130	7,882,942	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20070709	US	11/822594	20080110	2008-0009625	20090818	7,576,208	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20070206	US	11/671,877	20070621	2007-0137820	20101005	7,807,993	
P03-273	Organic semiconducting layer formulations comprising polyacenes and organic binder polymers	28. NOV 2003 - GB0327654.0	20100308	US	12/719,545	20100909	2010-0227956	20120221	8,119,804	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	CN	20058003596	20070802	2956988A	20140326	21,200,80015	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	DE	05738141.0	20070214	1751156	20091028	60200501738	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	FR	05738141.0	20070214	1751156	20091028	1751156	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	GB	05738141.0	20070214	1751156	20091028	1751156	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	JP	2007-517008	20080214	P2008-504379A	20140523	5546727	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	KR	10-2006-7024059			20121130	10-1205378	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050517	TW	094115940	20060416	20061591E	20120901	1372457	
P04-071	MONO-, OLIGO- AND POLYTHIENO (3,2-B)THIOPHENES	18. MAY 2004 - EP04011713.7	20050421	US	11/596,850	20071004	2007-0237812	20100511	7,714,098	
P04-128	MONOMERS, OLIGOMERS AND POLYMERS OF THIENO(2,3-B)THIOPHENE	21. AUG 2004 - EP04019892.1	20050723	US	11/573,983	20090319	2009-0072206	20120214	8,114,316	
P04-210	Organic Field Effect Transistor and its Method of Production	03. MAY 2004 - GB0424382.4	20051004	DE	05790320.5	20070718	1807884	20080702	60200501792	

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P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	EP	05790320.5	20070718	1807884	20080702	1807884	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	GB	05790320.5	20070718	1807884	20080702	1807884	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	JP	2007.5.29481	20080605	P2008-519445A	20131018	53500098	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	JP	2013-188514	20140123	P2014-013912A	20150801	5738824	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	KR	10-2007-7010025			20131119	10-1332955	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051101	TW	094138793	20060901	200631208	20130301	1388976	
P04-210	Organic Field Effect Transistor and its Method of Production	03. NOV 2004 -	20051004	US	11/666,751	20071108	2007-0259477	20100405	7,691,665	
P05-064	POLYACETENE AND SEMICONDUCTOR FORMULATION	12. MAY 2005 -	20060421	GB	06742632.0	20080123	1880429	20120627	1880429	
P05-064	POLYACETENE AND SEMICONDUCTOR FORMULATION	12. MAY 2005 -	20060421	US	11/614,041	20080814	2008-0191159	20110503	7,935,960	
P05-141	PROCESS FOR THE POLYMERISATION OF THIOPHENE OR SELENOPHENE DERIVATIVES	16. AUG 2005 -	20060815	JP	2006-221386	20070301	P2007-51289A	20150501	5739598	
P05-141	PROCESS FOR THE POLYMERISATION OF THIOPHENE OR SELENOPHENE DERIVATIVES	16. AUG 2005 -	20060814	KR	10-2006-0076895			20130827	10-1314902	
P05-141	PROCESS FOR THE POLYMERISATION OF THIOPHENE OR SELENOPHENE DERIVATIVES	16. AUG 2005 -	20060815	US	11/504,114	200709301	2007-0945592	20130805	8,501,902	
P06-016	ELECTRONIC SHORT CHANNEL DEVICE COMPRISING AN ORGANIC SEMICONDUCTOR FORMULATION	21. JAN 2006 -	20061220	FR	20060805114	20090204	101361205A	20121003	2120968005.1	
P06-016	ELECTRONIC SHORT CHANNEL DEVICE COMPRISING AN ORGANIC SEMICONDUCTOR FORMULATION	21. JAN 2006 -	20061220	DE	11206600317				340.5	
P06-016	ELECTRONIC SHORT CHANNEL DEVICE COMPRISING AN ORGANIC SEMICONDUCTOR FORMULATION	21. JAN 2006 -	20061220	GB	0815037.7	20081105	2449023	20110615	2449023	
P06-016	ELECTRONIC SHORT CHANNEL DEVICE COMPRISING AN ORGANIC SEMICONDUCTOR FORMULATION	21. JAN 2006 -	20070117	TW	096101817	20070916	200735430	20140921	1453963	
P06-043	ORGANIC SEMICONDUCTOR FORMULATION	24. MAR 2006 -	20070228	DE	07034110.8	20070926	1837928	20100609	60200700700	
P06-043	ORGANIC SEMICONDUCTOR FORMULATION	24. MAR 2006 -	20070228	EP	07034110.8	20070926	1837928	20100609	1837928	

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P06-043	ORGANIC SEMICONDUCTOR FORMULATION	24 MAR 2006 - EP0600593.6	20070328	GB	07064110.6	20070926	1837928	20100609	1837929	
P06-043	ORGANIC SEMICONDUCTOR FORMULATION	24 MAR 2006 - EP06006593.6	20070325	JP	2007-76359	20071004	P2007- 258729A	20140620	5562516	
P06-043	ORGANIC SEMICONDUCTOR FORMULATION	24 MAR 2006 - EP06006693.6	20070323	US	11/727,043	20070927	2007-0221916	20121120	8,314,416	
P06-066	INDENOFLORENE POLYMERS AND ORGANIC SEMICONDUCTOR MATERIAL	12 MAY 2006 - EP06009284.5	20070413	US	12/300,346	20090611	2009-0149627	20121002	6,278,394	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	CH	08716713.6	20091223	2134725	20120704	2134725	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	CN	20068001250 A.8	20100303	101633054	20130814	2136880012	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	DE	08716713.6	20091223	2134725	20120704	5.0	
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P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20100820	HK	10107969.0	20101112	11415334	20140502	HK1181533	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	IN	4000/KOLNP/ 2009			20160219	271402	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	JP	2010-502370	20100722	P2010- 524885A	20140418	5524043	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	KR	10-2009- 7023856			20150820	10-1547702	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20080328	US	12/596,198	20100527	2010-0127220	20121127	8,316,048	
P07-042	PROCESS FOR PREPARING SUBSTITUTED PENTACENES	19 APR 2007 - EP07007947.0	20120914	US	13/585,526	20121206	2012-0305894	20180417	9,944,563	
P07-045	PROCESS FOR PREPARING AN ELECTRONIC DEVICE	25 APR 2007 - EP07008359.6	20080328	GB	0919900.1	20100113	2461670	20120516	2461670	
P07-045	PROCESS FOR PREPARING AN ELECTRONIC DEVICE	25 APR 2007 - EP07008359.6	20080422	TW	09/114645	20090301	200910858	20141111	460897	
P07-045	PROCESS FOR PREPARING AN ELECTRONIC DEVICE	25 APR 2007 - EP07008359.6	20080328	US	12/597,246	20100506	2010-0106999	20140128	8,637,343	
P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06 MAR 2008 - EP08004121.3	20090205	CN	2009010725 A.0	20110126	101860633A	20141210	21360980107 254.0	
P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06 MAR 2008 - EP08004121.3	20090206	DE	09/117719.0	20101110	2248200	20130621	60200901816 9.5	
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REEL: 059925 FRAME: 0474

Exhibit 1 to IP Sales Agreement Merck/Flaretable

P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06. MAR 2008 - EP08004121.3	20090206	FR	09717719.0	20101110	2248200	20130821	2248300	
P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06. MAR 2008 - EP08004121.3	20090206	GB	09717719.0	20101110	2248300	20130821	2248200	
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P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06. MAR 2008 - EP08004121.3	20090206	US	12/520,310	20110113	2011-0006265	20140524	8,758,649	
P08-029	ORGANIC SEMICONDUCTOR FORMULATION	06. MAR 2008 - EP08004121.3	20090326	GR	2009031045 2.3	20110413	102007210A	20130529	2120090114 482.3	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	DE	09735794.1	20110105	2269244	20150527	60200903143 2.7	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	EP	08735794.1	20110105	2269244	20150527	2269244	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	GB	1015094.4	20101229	2471405	20120606	2471405	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	IN	4402/KO/MP/ 2610					
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	KR	10-2010- 7026282			20151222	10-1581065	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090423	RU	098113565	20100101	301001778	20150721	0653764	
P08-060	ELECTRONIC DEVICE	24. APR 2008 - EP08007889.2	20090326	US	12/989,164	20110217	2011-0037064	20130423	8,426,848	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENIOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18. AUG 2008 - EP08014658.2	20090724	DE	09777412.9	20110504	2315793	20130821	60200901822 6.9	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENIOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18. AUG 2008 - EP08014658.2	20090724	EP	09777412.9	20110504	2315793	20130821	2315793	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENIOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18. AUG 2008 - EP08014658.2	20090724	FR	09777412.9	20110504	2315793	20130821	2315793	

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P08-126	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20090724	GB	1103364.4	20110420	2474623	20120829	2474623	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20090724	JP	2011-523322	20120105	P2012-500308A	20141114	5647121	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20140918	JP	2014-190561	20150226	P2015-038210A	20160817	5951707	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20090724	KR	10-2011-7005307			20151015	10-1562423	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20090817	TW	098177633	20100401	201012840	20150421	0616138	
P08-128	INDACENODITHIOPHENE AND INDACENODISELENOPHENE POLYMERS AND THEIR USE AS ORGANIC SEMICONDUCTORS	18 AUG 2008 - EP08014658.2	20090724	US	13/059,490	20110922	2011-0226999	20150428	9,017,577	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	CN	20098013629	20110817	102159618A	20141112	ZL200980136290.X	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	DE	05/778009.2	20120606	2459614	20130612	602009016411.2	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	EP	05/778009.2	20120606	2459614	20130612	2459614	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	GB	1105375.8	20110525	2475666	20120829	2475666	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	JP	2011-527225	20120209	P2012-503679A	20150410	5726738	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	KR	10-2011-700492			20160712	10-1640610	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090918	TW	098131682	20100616	201022323	20140911	0452058	
P08-152	POLYMERS DERIVED FROM BENZOBIS(SILOLOTHIOPHENE) AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016527.7	20090820	US	13/119,820	20110724	2011-0168953	20140429	8,705,290	
P08-153	POLYMERS DERIVED FROM BIS(THIENOCYCLOPENTADIENYL)AZO AND THEIR USE AS ORGANIC SEMICONDUCTORS	19 SEP 2008 - EP08016528.5	20090820	US	13/119,820	20110724	2011-0168953	20140429	8,705,290	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010 - EP10005495.6	20110428	CN	20118002534	20130130	102906215A	20160309	ZL201180025340.4	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010 - EP10005495.6	20110428	EP	11/17956.4	20130410	2576724	20190424	2576724	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27 MAY 2010 - EP10005495.6	20110428	GB	11/17956.4	20130410	2576724	20190424	2576724	

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P10-096	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20161124	JP	2016-227902	20170930	P2013-532184	20181805	6411438	
P10-099	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20110428	JP	2013-511565	20130622	P2013-533606A	20180323	6309769	
P10-098	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20110428	KR	10-2012-703398			20190122	10-1943110	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20110526	TW	100118535	20111216	201144355	20160301	1523885	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20110428	US	13/7702,298	20130321	2013-0263030	20151208	9,206,352	
P10-090	FORMULATION AND METHOD FOR PREPARATION OF ORGANIC ELECTRONIC DEVICES	27. MAY 2010 - EP10005495.6	20151120	US	14/947,410	20160512	2016-0133863			
P10-120	SEMICONDUCTING POLYMERS	08. JUL 2010 - EP10007056.4	20110614	US	13/809,009	20130815	2013-0207045	20160315	9,267,505	
P10-152	ANTHRACENE, 3,8,7,6,8-10THIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMI CONDUCTORS	13. AUG 2010 - EP10008449.0	20110714	CN	20112004013	20130424	103065811A	20150624	ZL201160040	
P10-152	ANTHRACENE, 3,8,7,6,8-10THIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMI CONDUCTORS	13. AUG 2010 - EP10008449.0	20110714	JP	2013-533505	20131107	P2013-540697A	20160916	6205442	
P10-152	ANTHRACENE, 3,8,7,6,8-10THIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMI CONDUCTORS	13. AUG 2010 - EP10008449.0	20110714	KR	10-2012-7006485			20180306	10-1837791	
P10-152	ANTHRACENE, 3,8,7,6,8-10THIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMI CONDUCTORS	13. AUG 2010 - EP10008449.0	20110812	TW	100118976	20130316	201211052	20151231	1513702	
P10-152	ANTHRACENE, 3,8,7,6,8-10THIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMI CONDUCTORS	13. AUG 2010 - EP10008449.0	20110714	US	13/816,590	20130613	2013-0146818	20160405	9,306,172	
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	CN	20118004270	20130508	103097470A	20160822	ZL201190042	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20130919	DE	13024589.1	20131225	2676978	20150624	60201101740	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	DE	11751546.0	20130710	2611842	20151104	60201102119	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	EP	13804589.1	20131225	2676978	20150624	2676978	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20130919	KR	13004589.1	20131225	2676978	20150624	2676978	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	KR	11751546.0	20130710	2611842	20151104	2611842	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20130919	GB	13004589.1	20131225	2676978	20150624	2676978	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	GB	11751546.0	20130710	2611842	20151104	2611842	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20130919	GB	13004589.1	20131225	2676978	20150624	2676978	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20110826	GB	11751546.0	20130710	2611842	20151104	2611842	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02. SEP 2010 - EP10009119.8	20130919	JP	2013-526345	20131205	P2013-543650A	20160513	5932733	Merck+Promerus LLC

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P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009119.8	20100316	KR	ID 2018 7007664			20100422	10-1973344	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009119.8	20110901	TW	100131547	20120716	201229069	20170411	1577702	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009119.8	20110901	US	13/723,784	20120908	2012-0056249	20170228	9,583,713	Merck+Promerus LLC
P10-167	INTERLAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009119.8	20150811	US	14/823,037	20151203	2015-0349263	20170809	9,647,213	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	CN	201100000350	20130821	1052812304	20161109	12/201180042	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20150519	CN	20151025569	20151111	105038069A	20171017	21/201510255	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	DE	11/49739.6	20130710	3611841	20151028	60201102101	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	DE	13/04590.9	20131225	2676979	20160713	60201102824	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	EP	11/49739.6	20130710	3611841	20151028	2611841	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	EP	13/04590.9	20131225	2676979	20160713	2676979	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	FR	13/04590.9	20131225	2676979	20160713	2676979	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	FR	11/49739.6	20130710	2611841	20151028	2611841	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	FR	13/04590.9	20131225	2676979	20160713	2676979	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	GB	11/49739.6	20130710	2611841	20151028	2611841	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	GB	13/04590.9	20131225	2676979	20160713	2676979	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20140214	HK	14/012425.7	20140425	1188233A	20180202	HK1188233	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	JP	2013-526346	20131107	92013	20170224	6097216	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20170216	JP	2017-27227	20170817	92017	20180511	6334020	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110826	KR	10-2013- 7008514			20180521	10-1947335	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20130919	NL	13/004590.9	20131225	2676979	20160713	2676979	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110901	TW	100131548	20120816	201219432	20180321	1618733	Merck+Promerus LLC
P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009118.0	20110901	US	13/723,884	20120308	2012-0056183	20151102	9,175,173	Merck+Promerus LLC

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P10-168	GATE INSULATOR LAYER FOR ELECTRONIC DEVICES	02 SEP 2010 - EP10009116.0	20150811	US	14/623,066	20151124	2015-03-22-2461	20170509	9,647,722	Merck+Promerus LLC
P10-169	PROCESS FOR PREPARING AN ORGANIC ELECTRONIC DEVICE	02 SEP 2010 - EP10009116.4	20110805	EP	11741411.0	20130710	2612377			
P10-169	PROCESS FOR PREPARING AN ORGANIC ELECTRONIC DEVICE	02 SEP 2010 - EP10009116.4	20110805	US	13/820,318	20130620	2013-0153885	20141111	8,853,546	
P10-241	NON-LINEAR ACENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	06 DEC 2010 - EP20015339.4	20111109	DE	11781453.3	20131016	2649082	20150114	60201101321	7.2
P10-241	NON-LINEAR ACENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	06 DEC 2010 - EP10015339.4	20111109	EP	11781453.3	20131016	2649082	20150114	2649082	
P10-241	NON-LINEAR ACENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS	06 DEC 2010 - EP10015339.4	20111109	GB	11781453.3	20131016	2649082	20150114	2649082	
P11-012	BENZODIBENZIS,6,ACRIDINO[2,1,9,8-K]QUINOLINE ACRIDINES AND THEIR USE AS ORGANIC SEMICONDUCTORS	28 JAN 2011 - EP11005096.2	20110104	EP	12700058.6	20131204	2668193	20180704	2668193	
P11-012	BENZODIBENZIS,6,ACRIDINO[2,1,9,8-K]QUINOLINE ACRIDINES AND THEIR USE AS ORGANIC SEMICONDUCTORS	28 JAN 2011 - EP11005096.2	20130104	GB	12700058.6	20131204	2668193	20180704	2668193	
P11-012	BENZODIBENZIS,6,ACRIDINO[2,1,9,8-K]QUINOLINE ACRIDINES AND THEIR USE AS ORGANIC SEMICONDUCTORS	28 JAN 2011 - EP11005096.2	20120104	US	13/982,004	20131121	2013-0306914	20160821	9,373,801	
P11-091	HYBRID NANOPOLAR TFTS	01 JUN 2011 - EP11004510.1	20120505	US	14/119,849	20140403	2014-0091300	20151117	9,190,622	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	CN	2012804349.2	20140319	1036490964	20161207	21701280034	825.4
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	DE	12730384.0	20140528	2734528	20170329	2734528	5.5
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	GB	12730384.0	20140528	2734528	20170329	2734528	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	EP	12730384.0	20140528	2734528	20170329	2734528	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	FR	2014-530545	20141106	5293408A	20170303	6101263	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	NR	10-2014-			20181227	10-1935077	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120718	NO	101125910	20130301	201309779	20170111	1565786	
P11-115	ORGANIC SEMICONDUCTORS	19 JUL 2011 - EP11005901.1	20120621	US	14/234,201	20140612	2014-0158949	20170912	9,761,805	
P11-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15 FEB 2012 - EP12000974.1, 15 FEB 2012 - US61/599,069	20130129	FR	2013000685	20141015	104105736A	20170531	21201360008	Merck+Promerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15 FEB 2012 - EP12000974.1, 15 FEB 2012 - US61/599,069	20130129	DE	13703525.9	20141224	2814855	20170726	60201302399	Merck+Promerus LLC

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P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	EP	13703525.9	20141224	2814855	20170726	2814855	Merck+Pioneerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	FR	13703525.9	20141224	2814855	20170726	2814855	Merck+Pioneerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	GB	13703525.9	20141224	2814855	20170726	2814855	Merck+Pioneerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	IT	13703525.9	20141224	2814855	20170726	50201700011 4735	Merck+Pioneerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	KR	10.2014. 7025784	20131016	201342679	20170801	1554471	Merck+Pioneerus LLC
P12-012	PLANARIZATION LAYER FOR ORGANIC ELECTRONIC DEVICES	15. FEB 2012 - EP12000974.1, 15. FEB 2012 - US61/599,069	20130129	US	14736.923	20160317	2016009551	20161108	5.490.439	Merck+Pioneerus LLC
P12-015	ORGANIC SEMICONDUCTING POLYMERS	16. FEB 2012 - EP12001035.0	20130118	DE	13701206.8	20141224	2814861	20170308	60201301824 34	
P12-015	ORGANIC SEMICONDUCTING POLYMERS	16. FEB 2012 - EP12001035.0	20130118	EP	13701206.8	20141224	2814861	20170308	2814861	
P12-015	ORGANIC SEMICONDUCTING POLYMERS	16. FEB 2012 - EP12001035.0	20130118	FR	13701206.8	20141224	2814861	20170308	2814861	
P12-015	ORGANIC SEMICONDUCTING POLYMERS	16. FEB 2012 - EP12001035.0	20130118	GB	13701206.8	20141224	2814861	20170308	2814861	
P12-015	ORGANIC SEMICONDUCTING POLYMERS	16. FEB 2012 - EP12001035.0	20130118	US	14737.432	20150212	20150041727	20170411	9.620.716	
P12-055	CONJUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	CN	20138002136 03	20141224	104245787A	20170222	21201380021 380.3	
P12-055	CONJUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	EP	13714212.1	20150304	2841484			
P12-055	CONJUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	JP	201507403	20150521	P2015- 514853A	20180831	6393205	

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P12-055	CONUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	KR	10-2014- 7032826				
P12-055	CONUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130424	FW	102114654	20140116	201403641	20170522	1533716
P12-055	CONUGATED POLYMERS	25. APR 2012 - EP12002915.2	20130402	US	14/594,522	20150219	2015-0048279	20170606	9,673,397
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US63/637,988	20130418	CN	20138002182	20141224	104245783A	20171212	21,201,380021
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US63/637,988	20130418	DE	8.3	20150304	2041483	20181003	628.3
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US61/637,988	20130418	GB	13720235.4	20150304	2041483	20181003	2.8
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US63/637,988	20130418	JP	2015-507431	20150813	P2015- 523708A	20171222	6252204
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US61/637,988	20130418	KR	10-2014- 7032849			20181003	2041483
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US61/637,988	20130425	FW	102114882	20140101	201400515	20170221	1571474
P12-057	BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES	25. APR 2012 - US61/637,988	20130424	US	13/869,436	20131031	2013-0285026	20160503	9,331,281
P12-108	CONUGATED POLYMERS	02. JUL 2012 - EP12004908.5	20130604	CN	20133003496 8.X	20150304	104395372A	20170405	21,201,380038
P12-108	CONUGATED POLYMERS	02. JUL 2012 - EP12004908.5	20130604	EP	13726691.2	20150505	2867271		988.X
P12-108	CONUGATED POLYMERS	02. JUL 2012 - EP12004908.5	20130604	JP	2015-510876			20170203	6085675
P12-108	CONUGATED POLYMERS	02. JUL 2012 - EP12004908.5	20130604	KR	10-015- 7002345	20140316	201410730	20171101	1603981
P12-108	CONUGATED POLYMERS	02. JUL 2012 - EP12004908.5	20130701	FW	10212349A	20140316			
P12-129	ORGANIC SEMICONDUCTOR FORMULATION	02. JUL 2012 - EP12004908.5	20130604	US	14/412,273	20151203	2015-349256	20170704	9,665,190
P12-129	ORGANIC SEMICONDUCTOR FORMULATION	13. JUL 2012 - EP12005161.0	20130614	EP	13728606.7	20150320	2873300	20190301	2873300
P12-129	ORGANIC SEMICONDUCTOR FORMULATION	13. JUL 2012 - EP12005161.0	20130614	GB	13729606.7	20150520	2873300	20190501	2873300
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09. AUG 2012 - EP12005793.0	20130711	FW	102124089	20140116	2014Q3639	20180211	1614476
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09. AUG 2012 - EP12005793.0	20130718	CN	20136004154 1.2	20150415	104521029A	20181207	21,201,380041
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09. AUG 2012 - EP12005793.0	20130718	DE	13/39613.1	20150617	2883254	20181024	60201304555
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09. AUG 2012 - EP12005793.0	20130718	DE	13/39613.1	20150617	2883254	20181024	7.0

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P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	EP	13739613.1	20150617	2883254	20181024	2883254	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	FR	13739613.1	20150617	2883254	20181024	2883254	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	GB	13739613.1	20150617	2883254	20181024	2883254	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	IT	13739613.1	20150617	2883254	20181024	2883254	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	JP	2015-525764	20150917	P2015- 527741A	20190118	6465799	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	KR	10-2015- 2005875					
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130828	TW	107128541	20140401	201412859	20161221	6644964	
P12-147	ORGANIC SEMICONDUCTING FORMULATION	09 AUG 2012 - EP12005793.0	20130718	US	14/418,948	20150806	2015-0221868	20180824	8,954,173	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	DE	13737802.2	20150701	2888307	20170906	60201302616	9.5
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	EP	13737802.2	20150701	2888307	20170906	2888307	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	FR	13737802.2	20150701	2888307	20170906	2888307	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	GB	13737802.2	20150701	2888307	20170906	2888307	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	IT	13737802.2	20150701	2888307	20170906	50201700013	5714
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130710	US	14/423,485	20151112	2015-03222898	20180821	10,853,542	
P12-152	CONJUGATED POLYMERS	24 AUG 2012 - EP12006035.5	20130806	CN	201380064583	20150520	104641482A	20171229	21,201,380,945	838.6
P12-150	PROCESS OF SURFACE MODIFICATION OF DIELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	04 SEP 2012 - EP12006240.1	20130806	EP	13745589.5	20150715	2893875			
P12-150	PROCESS OF SURFACE MODIFICATION OF DIELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	04 SEP 2012 - EP12006240.1	20130806	JP	2015-528899	20150928	P2015- 528642A	20180302	6297566	
P12-150	PROCESS OF SURFACE MODIFICATION OF DIELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	04 SEP 2012 - EP12006240.1	20130906	KR	10-2015- 2008558					
P12-150	PROCESS OF SURFACE MODIFICATION OF DIELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	04 SEP 2012 - EP12006240.1	20130903	TW	107131702	20140316	201411899	20171011	1607332	
P12-150	PROCESS OF SURFACE MODIFICATION OF DIELECTRIC STRUCTURES IN ORGANIC ELECTRONIC DEVICES	04 SEP 2012 - EP12006240.1	20130806	US	14/426,037	20150813	2015-0228903	20180930	9,430,187	
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130905	CN	20138004873	20150603	104685649A	20180615	21,201,350,948	734.0
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130905	EP	13739669.8	20150729	2898551			Merck Promerus LLC

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P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130905	JP	2015-532330	20151217	P2015- 536041A	20190322	5499965	Merck+Promerus LLC
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130905	FR	10-2015- 700988A					Merck+Promerus LLC
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130918	TW	102133994	20140516	201416297	20170701	1589607	Merck+Promerus LLC
P12-170	ORGANIC SEMICONDUCTOR FORMULATION	21 SEP 2012 - US61/704,112	20130905	US	14/427,530	20150827	2015-0248914	20160823	9,425,417	Merck+Promerus LLC
P12-178	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	04 OCT 2012 - EP12006871.3	20130822	DE	13755956.2	20150812	2904648	20160921	60201301188 9.2	
P12-178	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	04 OCT 2012 - EP12006871.3	20130822	FR	13755956.2	20150812	2904648	20160921	2904648	
P12-178	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	04 OCT 2012 - EP12006871.3	20130822	GB	13755956.2	20150812	2904648	20160921	2904648	
P12-178	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	04 OCT 2012 - EP12006871.3	20131003	TW	102135902	20140701	201425526	20180121	1612126	
P12-178	PASSIVATION LAYERS FOR ORGANIC ELECTRONIC DEVICES	04 OCT 2012 - EP12006871.3	20130822	US	14/483,083	20151001	2015-0280128	20170627	9,691,985	
P12-182	ORGANIC SEMICONDUCTORS	05 OCT 2012 - EP12006904.2	20130906	FR	10-2015- 7011599	20150812	2904057			
P12-182	ORGANIC SEMICONDUCTORS	05 OCT 2012 - EP12006904.2	20130906	JP	2015-534918	20151119	P2015- 533188A	20190118	6465801	
P12-182	ORGANIC SEMICONDUCTORS	05 OCT 2012 - EP12006904.2	20131004	TW	102136108	20140501	201416412	20180401	1619795	
P12-182	ORGANIC SEMICONDUCTORS	05 OCT 2012 - EP12006904.2	20130906	US	14/453,478	20150910	2015-0255725			
P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131016	FR	2013005767 9.1	20150715	106781945A			
P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131016	EP	13776973.3	20150916	2917948			
P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131016	JP	2015-541028	20160204	P2016- 503580A	20180831	6393289	
P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131016	KR	10-2015- 7015050					

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P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131107	TW	102140576	20140701	201476830	20180311	1611470	
P12-213	METHOD FOR PRODUCING ORGANIC ELECTRONIC DEVICES WITH BANK STRUCTURES, BANK STRUCTURES AND ELECTRONIC DEVICES PRODUCED THEREWITH	08 NOV 2012 - EP12007585.8	20131016	US	14/441,208	20150924	2015-0270318	20180320	9,923,035	
P12-257	INDENOPHENANTHRENE BASED COMPOUNDS	18 DEC 2012 - EP12008418.1	20131121	DE	13794819.6	20151028	2985235	20180221	80201303342	
P12-257	INDENOPHENANTHRENE BASED COMPOUNDS	18 DEC 2012 - EP12008418.1	20131121	EP	13794819.6	20151028	2985235	20180221	2985235	
P12-257	INDENOPHENANTHRENE BASED COMPOUNDS	18 DEC 2012 - EP12008418.1	20131121	GB	13794819.6	20151028	2985235	20180221	2985235	
P13-150	AZABORININE DERIVATIVES, THEIR SYNTHESIS AND USE IN ORGANIC ELECTRONIC DEVICES	30 SEP 2013 - CN201310459594.8	20140916	CN	20148005363	20160727	105814066A			
P13-150	AZABORININE DERIVATIVES, THEIR SYNTHESIS AND USE IN ORGANIC ELECTRONIC DEVICES	30 SEP 2013 - CN201310459594.8	20140916	EP	14780409.0	20160810	3052806			
P13-150	AZABORININE DERIVATIVES, THEIR SYNTHESIS AND USE IN ORGANIC ELECTRONIC DEVICES	30 SEP 2013 - CN201310459594.8	20140930	TW	109134065	20150616	201522353	20181101	1639610	
P13-150	AZABORININE DERIVATIVES, THEIR SYNTHESIS AND USE IN ORGANIC ELECTRONIC DEVICES	30 SEP 2013 - CN201310459594.8	20140916	US	15/025,768	20160825	2016-0248014			
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	CN	20148005780	20160608	105658761A	20180424	2120148057	
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	EP	14777907.7	20160831	3060622	20190619	3060622	
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	GB	14777907.7	20160831	3060622	20190619	3060622	
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	JP	2016-525496	20161208	82016-525496			
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	KR	10-2016-7013380					
P13-169	CONJUGATED POLYMERS	22 OCT 2013 - EP13005048.7	20140926	US	15/031,537	20160922	2016-0276591	20171031	9,806,263	
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP13005555.1	20141029	CN	20148005454	20160713	105764957A			
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP13005555.1	20141029	DE	14790517.8	20161005	3074451	20171227	60201401918	
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28 NOV 2013 - EP13005555.1	20141029	EP	14790517.8	20161005	3074451	20171227	3074451	

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P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141029	GB	14790517.8	20161005	3074451	20171227	3074451	
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141029	IT	14790517.8	20161005	3074451	20171227	3074451	
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141029	JP	2016-554915	20170323	P2017-5080104			
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141029	KR	10-2016-7017207					
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141127	TW	103141252	20150716	201527347	20190101	1646124	
P13-197	NOVEL POLYCYCLIC POLYMER COMPRISING THIOPHENE UNITS, A METHOD OF PRODUCING AND USES OF SUCH POLYMER	28. NOV 2013 - EP13005555.1	20141029	US	15/100,360	20161013	2016-0301028	20181120	10,134,994	
P14-028L	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19. FEB 2014 - EP14000576.0	20150216	CN	20156003915	20161026	1060629614			Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-028L	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19. FEB 2014 - EP14000576.0	20150216	EP	15704562.8	20161228	3108518			Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-028L	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19. FEB 2014 - EP14000576.0	20150216	JP	2016-553554	20170406	P2017-5108664			Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-028L	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19. FEB 2014 - EP14000576.0	20150216	KR	10-2016-7025736					Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-028L	METHOXYARYL SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH METHOXYARYL SURFACE MODIFIER	19. FEB 2014 - EP14000576.0	20150216	US	15/115,752	20170302	2017-0062722	20181225	10,164,191	Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-029L	CYCLO ANILINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLO ANILINE SURFACE MODIFIER	19. FEB 2014 - EP14000575.2	20150216	CN	20158000915	20161026	1060629824	20190426	15,4	Merck, InnovationLab, MPI Mainz, TU Braunschweig

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P14-029L	CYCLOC AMINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLOC AMINE SURFACE MODIFIER	19 FEB 2014 - EP14000575.2	20150216	EP	15704722.6	20161228	3108517		Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-029L	CYCLOC AMINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLOC AMINE SURFACE MODIFIER	19 FEB 2014 - EP14000575.2	20150216	JP	2016-553550	20170706	P2017-518627A		Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-029L	CYCLOC AMINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLOC AMINE SURFACE MODIFIER	19 FEB 2014 - EP14000575.2	20150216	KR	10-2016-7025735				Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-029L	CYCLOC AMINE SURFACE MODIFIER AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH CYCLOC AMINE SURFACE MODIFIER	19 FEB 2014 - EP14000575.2	20150216	US	15/119,959	20170302	2017-0662744		Merck, InnovationLab, MPI Mainz, TU Braunschweig
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	CN	20156091264 7.9	20161102	1060685694	20190322	Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	DE	15704215.1	20170118	3117469	20180131	Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	EP	15704215.1	20170118	3117469	20180131	Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	GB	15704215.1	20170118	3117469	20180131	Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	FR	15704215.1	20170118	3117469	20180131	Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	JP	2016-556733	20170406	P2017-510073A		Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	KR	10-2016-7028167				Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150309	TW	104107401	20151216	201546104		Merck+Promerus LLC
P14-049	ORGANIC ELECTRONIC COMPOSITIONS AND DEVICE THEREOF	12 MAR 2014 - US61/951,610	20150213	US	15/123,891	20170128	2017-0023613	20180522	Merck+Promerus LLC
P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP14000972.1	20150212	CN	20158001396 6.1	20161109	106103436A		
P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP14000972.1	20150212	EP	15703883.7	20170125	3119776		
P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP14000972.1	20150212	JP	2016-556005	20170525	P2017-512855A		
P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP14000972.1	20150212	KR	10-2016-7028638				
P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17 MAR 2014 - EP14000972.1	20150316	TW	104108567	20151016	201538508		

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P14-052	ORGANIC SEMICONDUCTING COMPOUNDS	17. MAR 2014 - EP14002972.1	20150212	US	15/126,530	20170323	2017-0304839				
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150317	CN	20158001752	20161123	106164127A				
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150317	EP	15/71039.8	20170215	3130316				
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150317	JP	2016-561791	20170601	P2017- 513855A				
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150317	KR	10-2016- 7030779						
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150409	TW	104111467	20160216	201605924				
P14-073	ORGANIC SEMICONDUCTING COMPOUNDS	10. APR 2014 - EP14001324.4	20150317	US	15/302,602	20170427	2017-0117477	20190702	10,340,457		
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150508	CN	2015602794	20170222	106455386A				
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150508	EP	15/21126.9	20170405	3149107				
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150508	JP	2016-569915	20170720	P2017- 519860A				
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150508	KR	10-2016- 7036193						
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150525	TW	104116706	20160216	201605925				
P14-097	TETRA-ARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	26. MAY 2014 - EP14001828.4	20150508	US	15/313,630	20170518	2017-0141317	20190423	10,270,034		
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150626	CN	20158004020	20170922	106536528A				
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150626	EP	15/33628.4	20170607	3174915				
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150626	JP	2017-505096	20170831	P2017- 524783A				
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150626	KR	10-2017- 7005562						
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150728	TW	104124416	20160601	201619232				
P14-145	TETRA-HETEROARYL INDACENODITHIOPHENE-BASED POLYCYCLIC POLYMERS AND THEIR USE	29. JUL 2014 - EP14002627.9	20150826	US	15/329,645	20170727	2017-0210752	20180313	9,914,742		
P14-191	SEMICONDUCTOR COMPOSITION COMPRISING AN INORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30. SEP 2014 - EP14003371.3	20150902	CN	20158005263	20170818	107078217A				
P14-191	SEMICONDUCTOR COMPOSITION COMPRISING AN INORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30. SEP 2014 - EP14003371.3	20150902	EP	15/760093.3	20170809	3203960				

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P14-191	SEMICONDUCTOR COMPOSITION COMPRISING AN INORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30 SEP 2014 - EP14003371.3	20150902	JP	2017-517064	20160118	P2018-503624A						
P14-191	SEMICONDUCTOR COMPOSITION COMPRISING AN INORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30 SEP 2014 - EP14003371.3	20150902	KR	10-2017-7011561								
P14-191	SEMICONDUCTOR COMPOSITION COMPRISING AN INORGANIC SEMICONDUCTING MATERIAL AND AN ORGANIC BINDER	30 SEP 2014 - EP14003371.3	20150902	US	15/515,323	20171026	2017-0209848	20190618	10,326,090				
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	CN	2016002713	20180128	107656940A						
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	EP	16721639.1	20180921	3294795						
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	JP	2017-559286	20180616	P2018-522957A						
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	KR	10-2017-703678								
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	TW	105114606	20170216	201706383						
P15-069	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	12 MAY 2015 - EP15167266.4	20160427	US	15/573,257	20180419	2018-0105637						
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160711	CN	2016000455	20180417	107925000A						
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8		DE									
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160711	EP	16738358.7	20180613	3332432						
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160711	JP	2018-506095	20180906	P2018-525487A						
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160711	KR	10-2018-7006523								
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160805	TW	105125037	20170516	201717443						
P15-148	ORGANIC SEMICONDUCTOR COMPOSITIONS AND THEIR USE IN THE PRODUCTION OF ORGANIC ELECTRONIC DEVICES	06 AUG 2015 - EP15180015.8	20160711	US	15/750,306	20180913	2018-0261768						
P15-261	THIAIAZOLOPYRIMINE POLYMERS, THEIR SYNTHESIS AND THEIR USE	18 DEC 2015 - EP15201049.2	20161122	CN	2016007370	20180903	108368265A						

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P17-222	ELECTRODES FOR ELECTRONIC DEVICES COMPRISING AN ORGANIC SEMICONDUCTING LAYER	13. SEP 2017 - EP17190868.4	20180911	WO	PCT/EP2018/074378	20190321	2019/052978		
P18-044	COMPOSITION COMPRISING A DIELECTRIC COMPOUND AND DE-DOPING ADDITIVE, AND ORGANIC ELECTRONIC DEVICES COMPRISING SUCH COMPOSITION	23. MAR 2018 - EP18163542.6	20190325	GB	1904064.1		not published		
P18-138	ORGANIC SEMICONDUCTING COMPOUNDS	13. JUL 2018 - EP18183372.4	20190710	WO	PCT/EP2019/08496		not published		
P18-236	ELECTRONIC DEVICE WITH IMPROVED ADHESION BETWEEN FLUORINATED DIELECTRIC LAYER AND POLYOLEFINIC LAYER AND METHOD FOR PRODUCING SUCH ELECTRONIC DEVICE	07. NOV 2018 - EP18204797.7	20181107	EP	18204797.7		not published		
P19-098	MODIFICATION OF STRESS RESPONSE AND ADHESION BEHAVIOUR OF DIELECTRIC THROUGH TUNING OF MECHANICAL PROPERTIES	24. JUN 2019 - EP19181896.2	20190624	EP	19181896.2		not published		

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

Date: 28. 10. 19

Date: 28. 08. 2019

Merck KGaA

ppa.

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