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.....	67

39.84%
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759,788,099

383,238,099
58.76%

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	2020 1 10	2019 6 30
		173,451,939
		209,786,160
3		
		2020
1 10		
	1,027,417,645	31.66%
	209,786,160	
	160,540,000	370,326,160
	11.41%	36.04%
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370,326,160

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2020	1	10		
447,831,639				
	150,000,000		597,831,639	
		429,586,006		
1,027,417,645			31.66%	
		162,255,197		5%
	5%			

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	2019 1-9		2018	
	708,328.06	36.67%	803,659.31	42.14%
	273,313.63	14.15%	347,239.70	18.21%
	359,578.46	18.61%	89,299.41	4.68%
	590,561.27	30.57%	666,926.34	34.97%
	1,931,781.43	100%	1,907,124.76	100%
	2017		2016	
	872,814.26	39.84%	697,420.55	47.17%
	517,901.30	23.64%	322,859.72	21.84%
	65,080.05	2.97%	15,566.34	1.05%
	734,844.66	33.54%	442,567.50	29.94%
	2,190,640.28	100%	1,478,414.11	100%

7-3-15

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2018 3 23

340 160 2000 3000

340 160 600

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	340	2018/07/06	25%	340	2018/07/06	25%

	160	2018/08/23	25%	160	2018/08/23	25%	
	2000	2018/09/24	10%	600	2018/09/24	5% 10%	
		2019/05/10	25%		2019/06/01	5% 10% 20% 25%	
	3000	A	2019/09/01	15%	750	2019/09/01	5% 10%
				7.5%		2019/12/15	
		B	2019/12/15			2019/12/15	

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2018 2019 1-9 290,858.83
336,923.65 18.01% 19.19%

2018
2019 1-9
141.72

2018 2019 1-9
9,112.77 10,542.40 0.56%

0.60% 2018 2019 1-9
4,496.54 1,567.93
0.28% 0.09%

	2019 1-9	2018
	1,567.93	4,496.54
/	0.09%	0.28%

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2018 2019 1-9

1,578,142.58

1,662,638.42

66.45% 68.89%

2018 2019

	/	0.0005%	0.0171%
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			10			
1#				201586952		
	1#					
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	2019	11	1#			88,964.49
2						
			201586952			
	17		5	6-15	5	
					3.5	
						6.5
3						
			6-15	5	EMC	10
	EMC	3		OTA	23	OTA
	SAR&HAC			RF		

85,828.00

1		26,450.00	26,450.00
2		53,071.00	53,071.00
3		2,220.00	479.00
4		4,087.00	-
		85,828.00	80,000.00

		2019	10	2020	3
		2020	2	2020	8
		2020	4	2020	7
		2020	5	2021	8

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		2019 4	2020 1	2020 2	2020 3	2020 4	2021 1	2021 2	2021 3
	11,270	-	5,635	4,508	-	1,127	-	-	-
	10,500	-	3,150	3,150	3,150	-	1,050	-	-
	4,680	-	-	936	3,276	-	-	468	-
	53,071	-	-	6,600	-	23,100	4,000	10,200	9,171
	79,521	-	8,785	15,194	6,426	24,227	5,050	10,668	9,171

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1		23#		2019 0011210

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9		33#			
10		22#-2			
11		3	8877		
12		8#	269		
13		12#	8877		
14		13#			
15		18#	8877		
16		19#			
17		20#	8877		
18		16#			
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1	2016-2018			2019	
			2019	2016	2017
	2018	2019	1-9		
	165,149.66	213,922.62	86,772.27	98,499.29	

2	2019	2019 9 30
	15,895,521,245.14	
	15,907,361,883.07	
3,000		400,000
	40%	

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4	2018	2019
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/		%	
	605,754,709	18.67	217,709,230
	500,101,518	15.41	260,710,000
	102,590,612	3.16	91,000,000
	101,516,825	3.13	-
	83,044,011	2.56	-
-	53,940,000	1.66	-
-	39,843,743	1.23	-
1 -	36,197,666	1.12	-
-	33,058,844	1.02	-
	31,573,800	0.97	-

455,754,709

150,000,000

605,754,709

92.59%

7.41%

2019 9 30

5%

	2019	2019 9 30
92.59%		605,754,709
18.67%		500,101,518
15.41%		21,600,000
0.67%		34.74%

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50,000	100,000	21.00
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1,982,354

0.0611%

19.95 /

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38,872,004.67

	2019	2019 9
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	1,127,456,227	34.74%
478,419,230		14.74%
	42.43%	
	2019 9 30	
		42.43%

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	2016-2018			2019	
2016	2017	2018	2019	1-9	
97%					

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5			2022 10 18	
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11			<p style="text-align: center;">2</p> <p style="text-align: center;">3</p> <p style="text-align: center;">4</p> <p style="text-align: center;">5</p>	
12				
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30			2024 4 22	
31				
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33			3-6	
34	Dotcom Creation		无	
35	Dotcom Holding Inc.			
36				
37				
38				

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		/	/
			8%
			2019.06.10
			34.64%
			22.94%

		/	/
			47.55%
			1%
			0.91%
			12.40%

		/	/
			2019.06.19
			2019.07.30
			7%
			10%

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		2016	2017	2018	2019	1-9
		189.96	-	1.27		214.36
		176.9	191.15	223.4		253.44
		7,140.39	11,115.28	9,172.17		6,186.75
		161.15	162.16	136.37		129.82
		65.19	78.9	38.37		52.59
		43.05	107.9	118.27		101.88
		5.6	10.05	319.80		599.79
		1.8	73.71	1,915.69		79.80
		-	149.64	86.86		0.29

		2016	2017	2018	2019 1-9
		-	29.26	53.98	39.81
		-	16.17	18.66	910.92
		-	8.43	3.36	170.42
		-	3.31	-	-
		-	-	-	0.18

- -

		2016	2017	2018	2019 1-9
		-	2.39	-	-
		0.14	20.85	11.13	252.42
		-	-	-	721.98
		-	-	-	62.82
		-	-	-	24.57
		-	-	-	2.83
		247.95	2,669.64	3,311.24	2,359.57

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24				150	2016.10.27	2017.04.03
25				400	2016.02.12	2016.08.05
26				400	2016.08.05	2017.07.22
27				500	2016.07.30	2017.07.09
28				523.73	2016.08.18	2017.08.04
29				34.93	2016.08.27	2017.08.04
30				215.75	2016.09.01	2017.08.04
31				166.37	2016.09.08	2017.08.04
32				159.22	2016.09.13	2017.08.04
33				344.52	2016.03.31	2016.09.27
34				155.48	2016.04.06	2016.10.04
35				1,000.00	2016.09.08	2017.09.01
36				1,000.00	2016.10.19	2017.09.01
37				1,000.00	2016.06.17	2017.06.16
38				297.63	2016.06.21	2017.06.16
39				69.28	2016.06.23	2017.06.16
40				357.78	2016.06.30	2017.06.16
41				255.3	2016.07.07	2017.06.16
42				2,000.00	2016.09.16	2017.03.01
43		Dynaudio Holding A/S		800	2016.10.20	2017.10.19
44				1,300.00	2017.07.07	2018.07.06
45				300	2017.08.04	2018.07.19
46				230	2017.03.13	2017.09.13
47				230	2017.09.13	2018.08.28
48				150	2017.04.03	2017.10.03
49				150	2017.10.03	2018.10.03
50				400	2017.07.21	2018.07.20
51				500	2017.07.07	2018.07.09
52				1,100.00	2017.08.04	2018.08.03
53				1,000.00	2017.09.01	2018.09.10
54				1,000.00	2017.09.01	2018.10.20
55				7,500.00	2017.02.08	2019.12.27
56				3,500.00	2017.04.27	2019.12.27
57				1,500.00	2017.06.20	2018.06.15
58		Dynaudio Holding A/S		600	2017.04.24	2018.04.06
59		Dynaudio Holding A/S		600	2018.04.17	2019.03.29

60		Dynaudio Holding A/S		800	2018.03.28	2019.03.13
61				1,300.00	2018.07.06	2019.06.21
62				300	2018.07.19	2019.07.19
63				230	2018.08.28	2019.08.28
64				150	2018.10.03	2019.10.03
65				400	2018.07.20	2019.07.22
66				500	2018.07.09	2019.07.09
67				1,100.00	2018.08.03	2019.08.02

		144.00	2016.12.22	2017.12.21
		4,600.00	2017.07.01	2019.01.16

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		2016	2017	2018	2019 1-9
	-	5,582.67	-	-	-

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		2016.12.31	2017.12.31	2018.12.31	2019.09.30
		150.88	878.59	453.68	-
		0.3	5.17	-	-
		71.92	-	-	-
		-	-	51.73	665.64
		-	-	12.91	123.02
		-	-	-	0.54
		-	-	-	24.59
		77.40	-	-	-
		-	-	319.43	-
					0.15

		2016.12.31	2017.12.31	2018.12.31	2019.09.30
		51.45	6.4	32.83	0.54
		3,904.37	4,160.28	5,181.97	3,469.86
		30.89	90.59	44.85	35.18
		10.61	12.28	1.68	142.45
		7.78	-	-	5.77
		2.82	-	89.01	45.73
		-	3.07	8.15	29.71
		-	9.3	0.22	9.91
		-	-	1.02	6.30
		-	-	0.12	-
		-	-	-	5.00
		-	-	-	209.14
		-	-	-	0.38
		-	-	-	0.56
		-	17	-	-

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1		HDMI DP VR V1.0	2018.02.26	2019.08.20	2019SR1055289
2		HLS BDP HMD V1.0	2018.02.26	2019.08.20	2019SR1026280
3		HMD HDMI 4K V1.0	2018.02.26	2019.08.20	2019SR1026286
4		BDP HMD V1.0	2018.02.26	2019.08.20	2019SR1026291
5		BDP 2+HMD TV V1.0	2018.02.26	2019.08.20	2019SR1026332
6		HMD Miracast VR V1.0	2018.02.26	2019.08.20	2019SR1026339
7		V1.0	2019.06.30		2019SR1018451
8		AR V1.0	2019.06.25		2019SR1013294
9		V1.0	2019.06.20		2019SR0985598
10		V1.0	2019.06.01		2019SR0930046

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1	aptpsp.com		2019.08.22	2020.08.22
2	qdvri.com		2019.09.06	2022.09.06

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1			211 G1-9F	1,832	2019.05.01-2020 .04.30 45.83 / / 2020.05.01-2021 .04.30 57.75 / / 2021.05.01-2022 .04.30 60.63 / /	2019.05.01- 2022.04.30 1	
2			100 A 5-7	18,903	349,705 /	2019.09.01- 2025.08.31	

3		2	173	4,909.86 1 2,528.65 2 699.09 4,400	2019.07.20-2019 .08.20 270,000 / 2019.08.20-2019 .12/30 276,000 /	2019.07.20- 2019.12.30	
4			18 3 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516	2,481.04	2.5978 / / ()	2019.07.16- 2020.01.15	
5			18 202 203 220	390.11	2 / /	2019.07.25- 2020.01.24	

1
2019.05.01-2022.04.30 2019 7 24
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81,685,449.09

81,698,609.32

25,105,855.10

56,592,754.22

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56,475,793.85

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(本页无正文,为《北京市天元律师事务所关于歌尔股份有限公司公开发行可转换公司债券的补充法律意见(一)》之签章页。)




二〇二〇年

北京市天元律师事务所 盖章

北京市天元律师事务所 盖章

7-3-70


15		7696045	歌尔	9	2021.03.06	
16		7696036		9	2021.03.06	
17		7696050	歌尔光电	9	2021.03.13	
18		7696051	GoerTek	9	2021.03.13	
19		8150598	ocio	9	2021.03.27	
20		8744722	GoerTek	9	2021.10.27	
21		8744723	歌尔	9	2021.10.27	
22		8744820		9	2021.10.27	
23		18224650	歌尔	9	2027.02.20	

24		19528648	GOERTEK	35	2027.05.20	
25		20277200	Goertek	9	2028.02.06	
26		26500395	Goertek	9	2028.09.06	
27		26483496	Goertek	12	2028.09.06	
28		21797813	Goertek	28	2027.12.20	
29		21797998	Goertek	41	2027.12.20	
30		21798249	Goertek	42	2027.12.20	
31		3057127		9	2023.04.27	
32		15451364	冠宇	9	2026.01.27	



33		15758937	丹拿	9	2026.11.27	
34		15758936	丹拿	15	2026.01.13	
35		15758935	丹拿	16	2026.03.27	
36		15758934	丹拿	28	2026.01.13	
37		15758933	丹拿	35	2026.01.13	
38		15758932	DUNAUDO	9	2026.11.27	
39		15758931	DUNAUDO	15	2026.01.13	
40		15758930	DUNAUDO	16	2026.03.27	
41		15758929	DUNAUDO	28	2026.01.13	

42		15758928		35	2026.02.06	
43		16848888		9	2026.06.27	
44		16849595		35	2026.06.27	
45		16850112		38	2026.06.27	
46		17210001	Anima	9	2027.12.06	
47		17210043	阿尼玛	9	2026.11.06	
48		21649191	Goertek We Make It Together	9	2027.12.06	
49		21649386	Goertek We Make It Together	28	2027.12.06	
50		21649662	Goertek We Make It Together	35	2027.12.06	

51		21649812		41	2027.12.06	
52		21650347		42	2027.12.06	
53		21650397		43	2027.12.06	
54		17210090		9	2028.08.20	
55		27659723		9	2028.11.20	
56		22758586		14	2028.09.06	
57		11602128		7	2024.04.27	

58		11602127	LOCOMO	7	2024.03.20	
59		11602126	LOKOMO	7	2024.03.20	
60		19889053		7	2027.06.27	
61		23303094		11	2028.10.13	
62		28622487		11	2029.02.13	
63		31543421		7	2029.03.06	

71		15791912	<i>ECO TRUST</i>	11	2026.01.20	
72		15791919	<u>GoerLife</u>	11	2026.01.20	
73		18601630		11	2027.01.20	
74		22318116	GoerLight	11	2028.01.27	
75		7696101	GoerLight	11	2021.03.13	
76		7696169	GoerTek	11	2021.03.13	
77		7696116	歌尔	11	2021.03.13	
78		7696127	歌尔光电	11	2021.03.13	
79		21248960		9	2027.11.06	

80		21248852		7	2028.01.13	
81		27664254		9	2029.08.27	

1		2005800036676		2005.4.12	2011.1.19	
2		2007101221603		2007.9.21	2011.3.23	
3		2006101128879		2006.9.6	2011.4.20	
4		2006800101947		2006.3.27	2011.5.4	
5		2006800108151		2006.3.30	2011.5.4	
6		2005101154474		2005.11.3	2011.6.29	
7		2005101154489		2005.11.3	2011.7.13	
8		2005100438958		2005.6.23	2011.12.7	
9		2005800023765		2005.3.23	2012.4.11	
10		2009100164640		2009.7.3	2012.6.13	
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15		2008100146879		2008.3.1	2012.8.8	
16		2008101390998		2008.8.27	2012.8.8	
17		2007101123102		2007.6.4	2012.9.5	
18		2009100199315		2009.3.16	2012.9.5	
19		2009100139460		2009.1.17	2012.10.17	
20		2007800119606		2007.4.2	2012.10.24	

21		2009102608330		2009.12.12	2012.11.14	
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24		2007101002432		2007.6.6	2012.12.12	

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2011102167636

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64	ECM	2010101542146		2010.4.23	2014.9.17	
65	Don&Doff	2012102130617		2012.6.26	2014.9.17	
66		2012104735296		2012.11.20	2014.9.17	

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82		2012100950255		2012.3.31	2015.1.21	
83		2012101692759		2012.5.28	2015.1.21	
84		2012102949356		2012.8.17	2015.1.21	
85		2013101095485		2013.3.30	2015.1.21	
86		2012103871842		2012.10.12	2015.2.4	
87		201210398380X		2012.10.19	2015.2.4	
88		2012104148047		2012.10.25	2015.2.18	
89		2011104483040		2011.12.28	2015.2.25	
90		2012101500941		2012.5.15	2015.3.11	

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99		2010101022921		2010.1.28	2015.4.15	
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101		2012101296441		2012.4.28	2015.4.22	
102	MIC	2012101567602		2012.5.19	2015.4.22	
103		2013100599314		2013.2.26	2015.4.22	
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105		201310194121X		2013.5.22	2015.4.22	
106		2010102273838		2010.7.15	2015.5.13	
107		2012102500722		2012.7.18	2015.5.13	
108	USB	2013101329721		2013.4.17	2015.5.13	
109		2012105457480		2012.12.14	2015.5.20	
110		2013101111543		2013.4.1	2015.5.20	
111		2012104602275		2012.11.15	2015.5.27	
112		201110027076X		2011.1.26	2015.6.3	
113		2012100004234		2012.1.4	2015.6.3	
114		2012104667388		2012.11.19	2015.6.3	
115	CMOS MEMS	2010800623197		2010.7.28	2015.6.10	
116	3D	2012103517627		2012.9.20	2015.6.17	
117		2012103396266		2012.9.13	2015.6.24	
118		2013100536635		2013.2.19	2015.6.24	
119		2011101877695		2011.7.6	2015.7.1	
120		2012100937890		2012.3.31	2015.7.1	

121		2012100175223				
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123		2012103719883				
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125		2011102679992		2011.9.10	2015.7.29	
126		2012102225960		2012.6.29	2015.7.29	
127	USB	2012102242398		2012.6.29	2015.7.29	
128		2012102953455				

139		2012102872956		2012.8.14	2015.9.2	
140		2013101874338		2013.5.18	2015.9.2	
141		2012102787296		2012.8.7	2015.9.9	
142		2011103170161		2011.10.18	2015.9.30	
143	MEMS	2011104248248		2011.12.17	2015.9.30	
144		2012101634791		2012.5.24	2015.9.30	
145		2012104148475		2012.10.25	2015.9.30	
146		2012104819982		2012.11.25	2015.9.30	
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148		2012104134576		2012.10.25	2015.10.14	
149		2012104995556		2012.11.29	2015.10.28	
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152		2013102707972		2013.6.28	2015.10.28	
153		2013102722008		2013.6.29	2015.10.28	

159		2012100462571		2012.2.27	2015.11.18	
160		2012102152122		2012.6.27	2015.11.18	
161		2012104995541		2012.11.29	2015.12.2	
162		2013100351215		2013.1.30	2015.12.2	
163	3D	2013102698051		2013.6.28	2015.12.2	
164		2013103709231		2013.8.22	2015.12.2	
165		2013104197423		2013.9.13	2015.12.2	
166	LED	2012101905308		2012.6.11	2015.12.9	
167		2012103937407		2012.10.17	2015.12.9	
168		2014103893183		2014.8.8	2015.12.9	
169		2011103009907		2011.9.28	2015.12.16	
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171		201310754081X		2013.12.31	2015.12.30	
172		2014101107665		2014.3.24	2015.12.30	
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174		2013102159677		2013.6.3	2016.1.6	
175		2013105663514		2013.11.14	2016.1.6	
176	MEMS	201310099654X		2013.3.26	2016.1.13	
177		2014106825718		2014.11.24	2016.1.13	
178		2011103243124		2011.10.21	2016.1.20	

179		2011104387611		2011.12.23	2016.1.20	
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182		2012103053995		2012.8.23	2016.1.20	
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184	LED	2014103530955		2014.7.23	2016.1.20	
185	3D	2013100606002		2013.2.26	2016.2.3	
186	MEMS	2013101212559		2013.4.9	2016.2.3	
187	3D	2013101451653		2013.4.24	2016.2.3	
188		2013102210921		2013.6.5	2016.2.3	
189		201310272729X		2013.7.1	2016.2.3	
190	chart	2014104098475		2014.8.19	2016.2.3	
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192	MEMS	2011800070598		2011.12.29	2016.2.10	
193		2012103719991		2012.9.28	2016.2.10	
194		2011104553522		2011.12.30	2016.2.17	
195		2013100156566		2013.1.16	2016.2.17	
196		2013100871525		2013.3.19	2016.2.17	

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198		2013100487605		2013.2.7	2016.3.9	
199		2014105989975		2014.10.30	2016.3.30	
200		2013102475566		2013.6.20	2016.4.13	
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203		2012104929198		2012.11.28	2016.5.11	
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207		2009102660202		2009.12.31	2016.5.25	
208		2012104133412		2012.10.25	2016.6.1	
209		2012100211249		2012.1.30	2016.6.8	
210	MEMS	2013103202299		2013.7.26	2016.6.15	
211		2013105863525		2013.11.20	2016.6.15	
212		2014108113046		2014.12.22	2016.6.22	
213		2013100157253		2013.1.16	2016.6.29	
214		2013100486000		2013.2.7	2016.6.29	
215		2014101453348		2014.4.12	2016.6.29	

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234		2013101320977		2013.4.16	2016.8.24	
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236		2014103447337		2014.7.18	2016.8.24	
237		2014105147869		2014.9.29	2016.8.24	
238		2014106051327		2014.10.30	2016.8.24	
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240	ATV	2015101188794		2015.3.18	2016.8.24	

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255		2013100039562		2013.1.7	2016.9.28	
256		2013101698694		2013.5.10	2016.9.28	
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259		2014105988489		2014.10.30	2016.9.28	
260		201310207754X		2013.5.29	2016.10.5	
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262		2014104953529		2014.9.24	2016.10.5	
263		2015102723442		2015.5.25	2016.10.5	
264	MEMS	2015102903712		2015.5.29	2016.10.5	
265	MEMS	2015103682562		2015.6.29	2016.11.9	
266		2012100167689		2012.1.19	2016.12.14	
267		2013101592435		2013.5.3	2016.12.28	
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269		2013103202284		2013.7.26	2016.12.28	
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289		2013102468806		2013.6.20	2017.2.15	
290		2014100417698		2014.1.28	2017.2.15	
291	C	2014104698510		2014.9.15	2017.2.15	

292		2014104955399		2014.9.24	2017.2.15	
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294		2015100138139		2015.1.12	2017.2.22	
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297		2015102406601		2015.5.13	2017.3.1	
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300		2013101670542		2013.5.8	2017.3.22	
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307		2016101444367		2016.3.14	2017.3.29	
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323		2015105820660				

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331		2014104790220		2014.9.18		

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352		2015107912101		2015.11.17	2017.7.4	
353		2013102573662		2013.6.25	2017.7.21	
354		2014100382398		2014.1.26	2017.7.21	
355		2014103074736		2014.6.30	2017.7.21	
356		2015102137431		2015.4.29	2017.7.21	
357		2015103499340		2015.6.23	2017.7.21	
358	MEMS	2015103687496		2015.6.29	2017.7.21	
359		2015101784082		2015.4.15	2017.7.25	
360		2015103829317		2015.7.2	2017.7.25	
361		2014100377385		2014.1.26	2017.7.28	

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371		2015103512735		2015.6.23	2017.8.18	
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373	NEC	NEC	2013103420861	2013.8.7	2017.8.25	
374	Z		2014108265513	2014.12.25	2017.8.25	
375			2015108903824	2015.12.4	2017.8.25	
376			2014105156196	2014.9.29	2017.8.29	

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392		2015102900771		2015.5.29	2017.10.3	
393		2015100359733		2015.1.23	2017.10.10	
394		2015104784987		2015.8.6	2017.10.17	
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399		2014107131916		2014.11.28	2017.11.7	
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401		201511024349X		2015.12.30	2017.11.7	
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405		2015103570001		2015.6.24	2017.11.10	
406		2015105480739		2015.8.31	2017.11.17	
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414	MEMS	2015102271680		2015.5.6	2017.12.5	
415	MEMS	2015103687566		2015.6.29	2017.12.5	
416		2015108633399		2015.11.30	2017.12.5	
417		2013103901823		2013.8.30	2017.12.15	
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434		2016106481729		2016.8.9	2017.12.26	
435	Z	2015100504192		2015.1.30	2017.12.29	
436	MEMS	2015103687477		2015.6.29	2017.12.29	
437		2014101794041		2014.4.29	2018.1.2	
438		2015102928283		2015.6.1	2018.1.2	
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442	MEMS	2015102900803		2015.5.29	2018.1.19	
443	MEMS	201510290391X		2015.5.29	2018.1.19	
444		2015108882194		2015.12.3	2018.1.19	

445		2016100045514		2016.1.4	2018.1.19	
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447		2015102922681		2015.5.30	2018.1.26	
448		2015105485709		2015.8.31	2018.1.26	
449		2015107330948		2015.10.30	2018.1.26	
450		2016103185850		2016.5.12	2018.1.26	
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465		2016110678890		2016.11.24	2018.3.6	
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467		2015101819575		2015.4.16	2018.3.23	
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470	MEMS	2015108917600		2015.12.4	2018.3.23	
471		2015109026073		2015.12.8	2018.3.23	
472		2016103828573		2016.6.1	2018.3.23	
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475		2015100824082		2015.2.15	2018.3.30	
476		2015102789219		2015.5.27	2018.3.30	
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478		2014106700500		2014.11.20	2018.4.13	
479		2015105239672		2015.8.24	2018.4.13	
480		2015105602524		2015.9.6	2018.4.13	
481		2015106898592		2015.10.21	2018.4.13	

482		2016110458852		2016.11.22	2018.4.13	
483		2014103004818		2014.6.28	2018.4.17	
484		2014104535782		2014.9.7	2018.4.17	
485		2014104696445		2014.9.15	2018.4.17	
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488		2014108281713		2014.12.26	2018.5.1	
489		2015102213280		2015.5.4	2018.5.1	
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491		2015106295114		2015.9.28	2018.5.1	
492		2015107617420		2015.11.10	2018.5.1	
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495		2016102800015		2016.4.28	2018.5.1	
496		2016106056974		2016.7.28	2018.5.1	
497		2015104712565		2015.8.4	2018.5.4	
498		2015108088087		2015.11.19	2018.5.4	
499		2014107820834		2014.12.16	2018.5.8	

500		2015110029528		2015.12.24	2018.5.8	
501	Upnp	2014108406441		2014.12.30	2018.5.15	
502		2016100793500		2016.2.4	2018.5.15	
503		2014104534173		2014.9.5	2018.5.22	

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518	JSON	2015105862146		2015.9.15	2018.6.15	
519		2015105862907		2015.9.15	2018.6.15	
520		2015106040168		2015.9.21	2018.6.15	
521		2015108355497		2015.11.25	2018.6.26	
522		2015109077910		2015.12.9	2018.7.3	
523		2016103646575		2016.5.26	2018.7.3	
524		2016103740810		2016.5.30	2018.7.3	
525		2016104107685		2016.6.13	2018.7.3	
526		201611046563X		2016.11.23	2018.7.3	
527		2014101679715		2014.4.24	2018.7.6	
528		2014104415117		2014.9.1	2018.7.6	
529	MEMS	2015103691928		2015.6.29	2018.7.6	
530		201610034729X		2016.1.19	2018.7.6	
531		2016106409482		2016.8.5	2018.7.6	
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533		201510478069X		2015.8.6	2018.7.17	
534		2016101843009		2016.3.28	2018.7.20	
535		2015101759131		2015.4.14	2018.7.24	
536		2015101915676		2015.4.21	2018.7.24	
537		2014101822501		2014.4.30	2018.7.27	

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539	USB	201510520707X		2015.8.21	2018.7.27	
540		2015106180820		2015.9.24	2018.7.27	
541		2015108355961		2015.11.25	2018.7.27	
542		2015108355980		2015.11.25	2018.7.27	
543		2015108356199		2015.11.25	2018.7.27	
544		2016100823811		2016.2.5	2018.7.27	
545		2016102594520		2016.4.22	2018.7.27	

559		2015106134659		2015.9.23	2018.9.4	
560		2016106014740		2016.7.27	2018.9.4	
561		2014106685271		2014.11.20	2018.9.7	
562		201410713194X		2014.11.28	2018.9.7	
563		201510149655X		2015.3.31	2018.9.7	
564		2015102189154		2015.4.30	2018.9.7	
565	MEMS	2015106178002		2015.9.24	2018.9.7	
566		2015108946745		2015.12.4	2018.9.7	
567		2016101404552		2016.3.11	2018.9.7	
568		2016101414982		2016.3.11	2018.9.7	
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570		2016103095835		2016.5.11	2018.9.7	
571		2016107092484		2016.8.23	2018.9.7	
572		2017100220490		2017.1.12	2018.9.7	
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574		2015800012124		2015.5.21	2018.9.11	
575		2015105491697		2015.8.31	2018.9.11	
576		2015106424064		2015.9.30	2018.9.11	
577		2015800012232		2015.10.30	2018.9.11	

578		2016103568222		2016.5.25	2018.9.11	
579		2016105340422		2016.7.7	2018.9.11	
580		2017101880591		2017.3.27	2018.9.14	
581		2014100787055		2014.3.5	2018.9.18	
582		2014104401735		2014.9.1	2018.9.18	
583	Upnp	2014108161853		2014.12.24	2018.9.18	
584		201510227071X		2015.5.6	2018.9.18	
585		2016102099650		2016.4.6	2018.9.18	
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593		2015107183900		2015.10.29	2018.9.25	
594		2016101080110		2016.2.26	2018.9.25	
595		2016107037063		2016.8.22	2018.9.25	
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598		2016106656738		2016.8.12	2018.9.28	
599		2016106661609		2016.8.12	2018.9.28	
600		201610666200X		2016.8.12	2018.9.28	

618		2016109088958		2016.10.18	2018.10.30	
619	IIC	IIC	2014104781448	2014.9.18	2018.11.2	

635		2015109249955		2015.12.10	2018.11.9	
636		2016107098635		2016.8.23	2018.11.9	

655		2016110831231		2016.11.30	2018.11.30	
656		2017100344027		2017.1.18	2018.11.30	
657		201710180487X		2017.3.23	2018.11.30	
658		2017102371870		2017.4.12	2018.11.30	
659		201710287575X		2017.4.27	2018.11.30	
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661		2015108630545		2015.11.30	2018.12.4	
662		2016102854782		2016.4.29	2018.12.4	
663		2016103683822		2016.5.27	2018.12.4	
664		2015102633215		2015.5.21	2018.12.14	
665		2015110192939		2015.12.29	2018.12.14	
666		2016101609444		2016.3.21	2018.12.14	

675		2016101796756		2016.3.25	2018.12.21	
676		2016103022406		2016.5.6	2018.12.21	
677		2017101626868		2017.3.18	2018.12.21	
678		2014108551159		2014.12.31	2018.12.25	
679		2015102898269		2015.5.29	2018.12.25	
680		2015106463410		2015.10.8	2018.12.25	
681		201410307677X		2014.6.30	2019.1.1	
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683		2015107072293		2015.10.27	2019.1.1	
684		2016101149582		2016.3.1	2019.1.1	
685	MEMS	2014103743260		2014.7.31	2019.1.4	
686		2015102246424		2015.5.5	2019.1.4	
687		2015108687558		2015.12.1	2019.1.4	
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689		2016107176865		2016.8.24	2019.1.4	
690		2016109383380		2016.10.24	2019.1.4	
691		2016110402397		2016.11.11	2019.1.4	
692		2016110843722		2016.11.30	2019.1.4	
693		201710028878X		2017.1.16	2019.1.4	

694		2015103501088		2015.6.23	2019.1.11	
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	MEMS					
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718		2016100600052		2016.1.28	2019.2.1	
719		2016105291750		2016.7.6	2019.2.1	
720	MEMS	2016107809321		2016.8.31	2019.2.1	
721		2016111670307		2016.12.16	2019.2.1	
722		2017104098835		2017.6.2	2019.2.1	
723		2015102102697		2015.4.28	2019.2.12	
724		2016107036802		2016.8.22	2019.2.12	
725		2017102446788		2017.4.14	2019.2.12	
726		2015107848406		2015.11.16	2019.2.15	
727		2015108292144		2015.11.24	2019.2.15	
728		2015108356470		2015.11.25	2019.2.15	
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730		2015109634492		2015.12.18	2019.2.15	
731		2016101404618		2016.3.11	2019.2.15	
732		2016103772900		2016.5.31	2019.2.15	
733		2016103829985		2016.6.1	2019.2.15	

734		2017100657657		2017.2.6	2019.2.15	
735		2017102937703		2017.4.28	2019.2.15	
736		2015110221429		2015.12.30	2019.2.19	
737		2016100155976		2016.1.8	2019.2.26	
738		2016101117859		2016.2.29	2019.2.26	
739		2016101252723		2016.3.4	2019.2.26	
740		2016103742337		2016.5.30	2019.2.26	
741		2016108195276		2016.9.12	2019.2.26	
742		2016110350443		2016.11.18	2019.2.26	
743		2016111670519		2016.12.16	2019.2.26	
744		2017101975017		2017.3.29	2019.2.26	
745		2017102458268		2017.4.14	2019.2.26	
746		2017102738517		2017.4.24	2019.2.26	
747		2017104888468		2017.6.23	2019.2.26	
748		2018114630565		2018.12.3	2019.3.1	
749		2015103003650		2015.6.3	2019.3.5	
750		2015105982970		2015.9.18	2019.3.5	
751		2015108356004		2015.11.25	2019.3.5	

752		2015108671827		2015.11.30	2019.3.5	
753		2016103185600		2016.5.12	2019.3.5	
754	MEMS	2014800038187		2014.8.26	2019.3.8	
755		2016101799241		2016.3.25	2019.3.8	
756		201710217002X		2017.4.5	2019.3.8	
757		2017103445689		2017.5.16	2019.3.8	
758		2015105104603		2015.8.19	2019.3.12	
759		2015110108591		2015.12.30	2019.3.12	
760		2016109118671		2016.10.19	2019.3.12	
761		2016111534980		2016.12.14	2019.3.12	
762		2016111614788		2016.12.15	2019.3.12	
763		2017100420410		2017.1.20	2019.3.12	
764		2017106424129		2017.7.31	2019.3.12	
765		2015101498042		2015.3.31	2019.3.15	
766		2015102475122		2015.5.15	2019.3.15	
767		2015110317807		2015.12.31	2019.3.15	
768		2016103752860		2016.5.30	2019.3.15	
769		2016105554506		2016.7.14	2019.3.15	
770		2016110458960		2016.11.22	2019.3.15	
771		2016110682311		2016.11.25	2019.3.15	
772		2016110877095		2016.11.30	2019.3.15	
773		2016112259904		2016.12.27	2019.3.15	
774		2017106410732		2017.7.31	2019.3.15	

775		2015102132550		2015.4.29	2019.3.19	
776		2016110851076		2016.12.1	2019.3.22	
777		2015101345282		2015.3.25	2019.3.26	
778		2015103543659		2015.6.24	2019.3.26	
779	JAVA	2015109634168		2015.12.18	2019.3.26	
780		2015110331611		2015.12.31	2019.3.26	
781		2016108173440		2016.9.12	2019.3.26	
782		2016108192456		2016.9.12	2019.3.26	
783		2016111545716		2016.12.14	2019.3.26	
784		2015105858210		2015.9.15	2019.3.29	
785		2015107082609		2015.10.27	2019.3.29	
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787		2016107240448		2016.8.25	2019.3.29	
788		2015108957843		2015.11.27	2019.4.2	
789		2016101843013		2016.3.28	2019.4.2	
790		2017104821449		2017.6.22	2019.4.2	
791	MEMS	2015102871213		2015.5.29	2019.4.12	
792		2016101872887		2016.3.28	2019.4.12	
793		2016101882836		2016.3.29	2019.4.12	
794		2016102936886		2016.5.5	2019.4.12	
795		2016103739993		2016.5.30	2019.4.12	

796		2016106768875		2016.8.16	2019.4.12	
797		2016107679262		2016.8.30	2019.4.12	
798		2016112296265		2016.12.27	2019.4.12	
799	SMT	2017103740641		2017.5.24	2019.4.12	
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801		2017107400507		2017.8.23	2019.4.12	
802		2015110305072		2015.12.31	2019.4.23	
803		2016105665087		2016.7.18	2019.4.23	
804		201611040219X		2016.11.11	2019.4.23	
805		2017105379840		2017.7.4	2019.4.23	
806		201710737248X		2017.8.24	2019.4.23	
807		2017107726319		2017.8.31	2019.4.23	
808		201710852092X		2017.9.19	2019.4.23	
809		2017110866150		2017.11.7	2019.4.23	
810		2016103348275		2016.5.19	2019.4.26	
811		2016107029194		2016.8.22	2019.4.26	
812		2016107661786		2016.8.30	2019.4.26	
813		2015104314407		2015.7.21	2019.4.30	
814		2015110035800		2015.12.28	2019.4.30	
815		2016102576880		2016.4.22	2019.4.30	
816		2016103737540		2016.5.30	2019.4.30	

817		2016108676191		2016.9.29	2019.4.30	
818		2016111991539		2016.12.22	2019.4.30	
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820		2017103698201		2017.5.23	2019.4.30	
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831		2015102432396		2015.5.13	2019.5.17	
832		2015105862184		2015.9.15	2019.5.17	
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834		2016100380495		2016.1.20	2019.5.17	
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836		2016106749817		2016.8.15	2019.5.17	

837		2017103692879		2017.5.23	2019.5.17	
838		201710494509X		2017.6.26	2019.5.17	
839		201710703117X		2017.8.16	2019.5.17	
840		2017108479395		2017.9.19	2019.5.17	

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858		2016101609800		2016.3.21	2019.6.7	
859		201710935842X		2017.10.10	2019.6.7	
860	MEMS	2016112395434		2016.12.28	2019.6.11	
861		2017113777676		2017.12.19	2019.6.14	
862		2019102846703		2019.4.10	2019.6.18	
863		2015800012143		2015.5.21	2019.6.21	
864		2016108516968		2016.9.26	2019.6.21	
865		2017100291509		2017.1.16	2019.6.21	
866		2017101931733		2017.3.28	2019.6.21	
867		2017102972482		2017.4.28	2019.6.21	
868		2017108551364		2017.9.20	2019.6.21	
869		2016101247814		2016.3.4	2019.6.25	
870		2016101855909		2016.3.28	2019.6.25	
871		2016101856013		2016.3.28	2019.6.25	
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874		2017104882283		2017.6.23	2019.6.25	
875		2017105169999		2017.6.29	2019.6.25	
876	LED	2017107637141		2017.8.30	2019.6.25	
877		2017108334860		2017.9.15	2019.6.25	

878		2017109106058		2017.9.29	2019.6.25	
879		201610406690X		2016.6.6	2019.6.28	
880		2005100117904		2005.5.26	2009.7.8	
881		2005101263166		2005.12.7	2011.5.11	
882		2006100894565		2006.6.28	2011.6.29	
883		2005101148897		2005.11.18	2011.12.28	
884		2008100139771		2008.1.29	2012.7.4	

897	NFC	2014107358563		2014.12.4	2017.10.20	
898		2015110112258		2015.12.30	2018.2.27	
899		2016107915161		2016.8.31	2018.7.31	
900		2015109752588		2015.12.22	2018.10.19	
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903		2016105554116		2016.7.14	2018.12.11	
904		2016109898245		2016.11.10	2018.12.11	
905		2015109615129		2015.12.18	2018.12.21	
906		2015107893488		2015.11.17	2019.1.22	
907		2016107821094		2016.8.31	2019.2.1	
908		2015110115186		2015.12.30	2019.3.12	
909		201610695615X		2016.8.19	2019.5.24	
910		2016106958545		2016.8.19	2019.6.28	
911	LED	2012100861942		2012.3.28	2015.11.18	
912		2013100353329		2013.1.30	2015.5.6	
913		2015100393876		2015.1.26	2016.12.7	
914		2014103019851		2014.6.27	2017.1.4	
915	MCU	2013104930842		2013.10.18	2017.1.18	

	MCU					
916		2013105609562		2013.11.12	2017.1.18	
917		2013107219299		2013.12.24	2017.1.25	
918		2014103247171		2014.7.9	2017.2.1	
919		2014103736784				
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921		875748		2014.12.17	2017.2.8	

931		2015110144136		2015.12.31	2017.11.14	
932		2016108168669		2016.9.12	2017.11.14	
933		2016108086480		2014.7.31	2017.12.22	
934		2016106216723		2016.7.29	2018.1.9	
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936		2017100766368		2017.2.13	2018.3.23	
937		2016108043555		2016.9.6	2018.3.30	
938		2017103343134		2017.5.12	2018.4.17	
939	VR	2016112447316		2016.12.29	2018.4.24	
940		2016108509362		2016.9.26	2018.5.8	
941		2016112288432		2016.12.27	2018.5.22	
942	FPC	2016110980645		2016.12.3	2018.5.25	
943		2016108359929		2015.1.26	2018.6.12	
944	LED	LED	2016112450342	2016.12.29	2018.6.12	
945	VR	VR	2016112479020	2016.12.29	2018.6.29	
946		2016111228788		2016.12.8	2018.7.31	
947		2016111993341		2016.12.22	2018.8.21	
948		201610832397X		2014.12.17	2018.9.4	
949		2016109630335		2016.11.4	2018.9.4	

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968		2016112670234		2016.12.31	2019.1.8	
969		201611145236X		2016.12.13	2019.1.18	
970		2017103642776		2017.5.22	2019.1.18	
971		2017100608580		2017.1.25	2019.1.25	
972		2016111163660		2014.7.9	2019.2.15	
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977		201611130104X		2016.12.9	2019.2.26	
978		2016111783752		2016.12.19	2019.2.26	
979		2016112163348		2016.12.26	2019.2.26	
980		2016112551822		2016.12.30	2019.2.26	
981		2016112669449		2016.12.31	2019.3.1	
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983		2016111086147		2016.12.6	2019.3.12	
984		2017102026565		2017.3.30	2019.3.12	
985		2016108745350		2016.9.30	2019.3.15	
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987		2016109463417		2016.10.26		
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1005		2016112636144		2016.12.30	2019.6.18	
1006		2017105874890		2017.7.18	2019.6.18	
1007		2017109230695		2017.9.30	2019.6.21	
1008	HMD	2017106318774		2017.7.28	2019.6.25	
1009		201711351067X		2017.12.15	2019.6.25	
1010		2016111872629		2016.12.20	2019.6.28	
1011		2009100785504		2009.2.25	2013.9.25	
1012		2009100937329		2009.9.29	2014.2.5	
1013		201210464617X		2012.11.16	2014.11.5	
1014		2012105461804		2012.12.14	2014.12.17	
1015		2012104688473		2012.11.19	2015.1.28	
1016		2012105565292		2012.12.19	2015.3.11	
1017	MIC	2012105462031		2012.12.15	2015.4.22	
1018		2012105463439		2012.12.14	2015.4.22	
1019	FPC	2012105750378		2012.12.26	2015.4.22	
1020		2013102215893		2013.6.5	2015.4.22	





1055	3D	3D	3D	2013106673087		2013.12.9	2015.10.14
1056				2012105634292		2012.12.21	2015.10.28
1057				2012105712484		2012.12.24	2015.10.28
1058	NFC		NFC	2013100284390		2013.1.24	2015.10.28
1059				2013101583370		2013.4.28	2015.10.28
1060				2012105807272		2012.12.27	2015.11.18
1061				2012104741210		2012.11.20	2015.12.2
1062				2013101388310		2013.4.19	2015.12.2
1063				2013102520383		2013.6.22	2015.12.16
1064				2012105750039		2012.12.26	2015.12.23
1065				2012105831178		2012.12.27	2015.12.23
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1067				2013102540476		2013.6.24	2015.12.23
1068				2013104012253		2013.9.5	2015.12.23
1069				201210546341X		2012.12.14	2015.12.30
1070				2013105657250		2013.11.13	2015.12.30

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1073		2012104845987		2012.11.23	2016.1.20	
1074		2012105765388		2012.12.26	2016.1.20	
1075		2013102220209		2013.6.5	2016.1.20	
1076		201310391923X		2013.9.2	2016.1.20	
1077		2013105267724		2013.10.30	2016.1.20	
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1079	NFC	NFC	2013100864729	2013.3.18	2016.2.3	
1080		2013101131246		2013.4.3	2016.2.3	
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1418		201610308647X		2016.5.10	2019.6.4	
1419		2016102522325		2016.4.21	2018.11.30	
1420		201610884371X		2016.10.10	2019.3.1	
1421		2013100444031		2013.2.1	2014.12.3	
1422		2012105626027		2012.12.21	2015.7.22	
1423	FPC	2014102999462		2014.6.27	2015.12.30	
1424		2013100301875		2013.1.25	2016.3.2	
1425		2014102090746		2014.5.16	2016.5.18	

1426		2014101831182		2014.4.30	2016.6.22	
1427		2014107488143		2014.12.9	2016.8.24	
1428		2014107488139		2014.12.9	2016.10.5	
1429		2015101822718		2015.4.16	2016.11.9	
1430		2014104002097		2014.8.14	2017.2.1	
1431		2015105048105		2015.8.17	2017.3.22	
1432		2014104004745		2014.8.14	2017.5.17	

1447		201710495220X		2017.6.26	2019.4.9	
1448		2017103868861		2017.5.26	2019.4.30	
1449		2017102489463		2017.4.17	2019.6.21	
1450		2013106704329		2013.12.10	2016.8.17	
1451		2013102374014		2013.6.14	2016.8.24	
1452		2016103219293		2016.5.14	2018.7.6	
1453		2015100980235		2015.3.5	2018.7.31	
1454		2015105993212		2015.9.18	2018.7.31	
1455		2014107452495		2014.12.9	2018.9.11	
1456		2014108519613		2014.12.31	2018.10.19	
1457		2015101926416		2015.4.22	2018.10.19	
1458		2015110021723		2015.12.29	2019.3.12	
1459		2015107172287		2015.10.29	2019.5.24	
1460		2015103879848		2015.7.3	2019.7.5	
1461		2015104969860		2015.8.13	2019.7.5	
1462	MEMS	2015106329661		2015.9.29	2019.8.20	
1463		2015107560761		2015.11.9	2019.9.17	
1464	MEMS MEMS	2015108636382		2015.11.30	2019.8.9	

1465		2015110035251		2015.12.28	2019.8.20	
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1484	MEMS	2016107894451		2016.8.31	2019.8.20	
1485		2016108515804		2016.9.26	2019.9.17	
1486		2016108556594		2016.9.27	2019.7.5	
1487		2016108913958		2016.10.12	2019.8.2	
1488		2016109000025		2016.10.14	2019.8.16	
1489		2016110376072		2016.11.23	2019.7.19	
1490		2016110400692		2016.11.21	2019.7.23	
1491		2016110500309		2016.11.23	2019.8.2	
1492		2016110678867		2016.11.24	2019.9.17	
1493	LED	2017100019779		2017.1.3	2019.7.19	
1494		2017101126994		2017.2.28	2019.8.16	
1495		2017101213140		2017.3.2	2019.8.20	
1496		2017101239634		2017.3.3	2019.9.17	
1497		2017101474530		2017.3.13	2019.9.17	
1498		2017101626641		2017.3.18	2019.8.27	
1499		2017101626656		2017.3.18	2019.8.27	
1500		2017102663120		2017.4.21	2019.8.20	

1501		2017102677091		2017.4.21	2019.8.20	
1502		2017102714758		2017.4.24	2019.8.20	
1503		2017102783404		2017.4.25	2019.8.16	
1504		2017102883559		2017.4.27	2019.7.5	
1505		2017103022561		2017.5.2	2019.7.23	
1506		2017103734068		2017.5.24	2019.8.20	
1507		2017103983003		2017.5.31	2019.8.2	
1508		2017105161906		2017.6.29	2019.8.2	
1509		2017105372589		2017.7.4	2019.9.17	
1510		2017105856036		2017.7.18	2019.7.2	
1511		2017106057755		2017.7.24	2019.7.2	
1512		2017106127160		2017.7.25	2019.8.27	
1513		2017106296633		2017.7.28	2019.8.27	
1514		2017106401042		2017.7.31	2019.7.19	
1515		2017106425704		2017.7.31	2019.8.6	
1516		2017106427771		2017.7.31	2019.8.23	
1517		2017106664885		2017.8.7	2019.7.5	
1518		2017107707977		2017.8.31	2019.7.5	
1519		2017107742735		2017.8.31	2019.9.17	
1520		2017108411180		2017.9.18	2019.9.17	

1521		2017108560382		2017.9.20	2019.7.19	
1522		2017109611235		2017.10.14	2019.8.27	
1523		2017109717598		2017.10.18	2019.8.2	
1524		2017109717687		2017.10.18	2019.8.23	
1525		2017110525870		2017.10.30	2019.8.27	
1526		2017110800257		2017.11.6	2019.9.17	
1527		2017110843572		2017.11.7	2019.8.27	
1528	VR	2017110849441		2017.11.7	2019.8.2	
1529	MicroLED	2017111377414		2017.11.16	2019.9.17	
1530		2017113115280		2017.12.11	2019.7.5	
1531		2017113294219		2017.12.13	2019.8.27	
1532	AR	2017113767848		2017.12.19	2019.7.5	
1533		2017113786849		2017.12.19	2019.8.27	
1534	AR	2017114071449		2017.12.22	2019.8.2	
1535		2018100147254		2018.1.8	2019.8.2	
1536		2018100643413		2018.1.23	2019.9.17	
1537		2018101411004		2018.2.11	2019.9.17	
1538		2018102264657		2018.3.19	2019.9.17	
1539		2018102366379		2018.3.21	2019.9.10	
1540		2018102817439		2018.4.2	2019.9.20	
1541	VR	2018105485577		2018.5.31	2019.8.20	

1542	VR	2018106465299		2018.6.21	2019.9.17	
1543		2018106984089		2018.6.29	2019.8.20	
1544		2018106992850		2018.6.29	2019.9.17	
1545		2018113848873		2018.11.20	2019.9.17	
1546		2019100381631		2019.1.16	2019.8.6	
1547		201510600106X		2015.9.18	2019.7.19	
1548		201610725326X		2016.8.25	2019.8.20	
1549		201610900067X		2016.10.14	2019.7.19	
1550		201611234657X		2016.12.28	2019.9.17	
1551		201710157821X		2017.3.16	2019.8.2	
1552		201710614338X		2017.7.25	2019.7.2	
1553		201710841328X		2017.9.18	2019.7.2	
1554		2016106676445		2016.8.15	2019.7.19	
1555		2016107611611		2016.8.30	2019.7.30	

1561		2016108916636		2016.10.13	2019.8.9	
1562		2016109299997		2016.10.31	2019.8.2	
1563		2016109408829		2016.10.25	2019.8.20	
1564		2016110234688		2016.11.21	2019.9.27	
1565		2016111472700		2014.6.30	2019.7.19	
1566		2016111548555		2016.12.14	2019.8.2	
1567		2016111934150		2016.12.21	2019.9.27	
1568		2016112078576		2016.12.23	2019.9.13	
1569	VR	VR	2016112365956	2016.12.28	2019.9.27	
1570		OTA	2016112548995	2016.12.30	2019.9.13	
1571			2016112554286	2016.12.30	2019.7.2	
1572			2016112584544	2016.12.30	2019.9.17	
1573			2017101176616	2017.3.1	2019.8.16	

1574		2017102336383		2017.4.11	2019.7.2	
1575		2017102583605		2017.4.19	2019.9.13	
1576		2017103533158		2017.5.18	2019.8.27	
1577		2017103646245		2017.5.22	2019.7.2	
1578		2017104187985		2017.6.6	201107.18 425.	



7-3-164