



6 SK 31 33 36 37 100022
31, 33, 36, 37/F, SK Tower, 6A Jianguomenwai Avenue, Chaoyang District, Beijing 100022, P.R.China
/Tel (8610) 5957 2288 /Fax (8610) 6568 1022/1838
www.zhonglun.com

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	2016.02.23	HW46 900-037-46	18,480 /	2016.02.23- 2019.02.23
	2017.01.17	HW50 251-017-50	18,480 /	2016.02.23- 2019.02.23
	2019.01.25	HW50 251-017-50	18,480 /	2019.01.25- 2024.01.25
	2018.09.13	HW50 251-016-50 251-017-50	10,000	2018.09.13- 2019.09.12

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	2018	2017	2016
	488.43	909.58	769.15
	81.85	-155.89	160.66
	40.82	-13.02	0.16
	611.11	740.67	929.97

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1		17,060,250	17.06%
2		13,310,250	13.31%
3		10,828,500	10.83%
4		3,472,500	3.47%
5		3,472,500	3.47%
6		3,240,750	3.24%
7		2,430,750	2.43%
8		2,232,750	2.23%
9		1,527,750	1.53%
10		1,446,750	1.45%
11		1,389,000	1.39%
12		1,389,000	1.39%
13		1,076,250	1.08%
14		1,041,750	1.04%
15		984,000	0.98%
16		948,750	0.95%
17		926,250	0.93%
18		867,750	0.87%
19		752,250	0.75%
20		694,500	0.69%
21		694,500	0.69%
22		660,000	0.66%
23		648,000	0.65%
24		532,500	0.53%
25		462,750	0.46%
26		358,500	0.36%

	/		
27		358,500	0.36%
28		277,500	0.28%
29		266,250	0.27%
30		255,000	0.26%
31		231,750	0.23%
32		196,500	0.20%
33		173,250	0.17%
34		138,750	0.14%
35		127,500	0.13%
36		115,500	0.12%
37		92,250	0.09%
38		87,000	0.09%
39		81,000	0.08%
40		81,000	0.08%
41		69,750	0.07%
42		25,000,000	25.00%
		100,000,000	100.00%

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		2018	2017	2016
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			%
2018			
1		4,328.62	12.76
		1,758.42	5.18
		2,570.20	7.58
2		1,199.77	3.54
		207.57	0.61
		992.20	2.93
2017			
1		3,227.04	12.19
		1,782.11	6.73
		1,444.93	5.46
2		1,148.35	4.34
		639.39	2.42
		508.96	1.92
2016			
1		2,860.26	14.74
		1,732.60	8.93
		1,127.66	5.81
2		427.01	2.20
		183.32	0.94
		243.69	1.26

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	2018	2017	2016
	0.08	0.08	0.10
	--	0.03	0.02
/	--	28.37	16.76
	0.10	0.07	0.09
/	176.38	122.31	161.08
/	176.38	150.67	177.83

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2018	18,249.83	545.45	4,703.41	11,622.35
2017	17,828.55	1,293.86	5,211.14	10,149.96
2016	11,309.56	1,386.30	6,863.47	2,037.06

	2018	2017	2016
	488.43	909.58	769.15
	81.85	-155.89	160.66
	40.82	-13.02	0.16
	611.11	740.67	929.97

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1	FCC			ZL 200810014209.8	2008.01.28	20	

2				ZL 201120039548.9	2011.02.13	10	
3				ZL 201110124965.8	2011.05.05	20	
4				ZL 201320139452.9	2013.03.17	10	
5				ZL 201110263254.9	2011.08.24	20	
6				ZL 201310500360.3	2013.10.14	20	
7	FCC NOX			ZL 201420869225.6	2014.12.28	10	
8				ZL 201410085216.2	2014.03.06	20	
9				ZL 201510074806.X	2015.02.07	20	

14				ZL 201610506039.X	2016.06.30	20	

<http://cpquery.sipo.gov.cn/>

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	2016	2017	2018
	60	72	77
	246	302	349
	24.39%	23.84%	22.06%

1 2016

1		54.14	--	54.14
2		143.35	--	143.35
3	SAPO-34	13.88	--	13.88
4		12.75	--	12.75
5	FCC	14.58	--	14.58

8	FCC	35.09	--	35.09
9		36.48	--	36.48
10		64.50	--	64.50

2018 2017

34.20%

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	2018	2017	2016
	1,229.20	915.96	833.35
	34,387.24	26,660.70	19,442.81
	3.57%	3.44%	4.29%

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		2018	2017	2016
		/		
		164.12	213.25	161.19
		56.17	38.00	33.00
		383.97	425.56	330.60
		1,045.45	1,126.12	--
		--	256.15	--
		99.12	84.72	--
		--	440.00	435.00
		323.44	304.68	315.00
		--	261.00	261.00
		--	772.90	--
		307.58	--	--
		380.51	--	--
		452.73	--	--
		600.72	--	--
		927.39	--	--

		--	--	522.00
		272.73	550.54	--
		256.98	248.00	--
		--	272.88	--
		--	315.00	315.00
		78.67	--	--
		230.53	235.01	229.89
		157.88	59.17	16.94
		1.93	--	--
		390.34	294.19	246.83

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2018

				2018	2018			
			/	/	/	/		
		--				= - -	= /	
		3,706	2,300.00	2,029.81	280.73	-550.92	-27.14%	
		3,176	1,900.00			-150.92	-7.44%	
		1,791	1,200.00			549.08	27.05%	
		1,785	1,200.00			549.08	27.05%	
		2,594	1,600.00			149.08	7.34%	
		2,602	1,700.00			49.08	2.42%	

		2,748	1,700.00			49.08	2.42%	
		1,808	1,200.00			549.08	27.05%	

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1	FCC			ZL 200810014209.8	2008.01.28	2010.10.20	20		FCC
2				ZL 201120039548.9	2011.02.13	2011.09.21	10		FCC
3				ZL 201110124965.8	2011.05.05	2013.05.01	20		FCC
4				ZL 201320139452.9	2013.03.17	2013.09.18	10		
5				ZL 201110263254.9	2011.08.24	2014.12.17	20		FCC
6				ZL 201310500360.3	2013.10.14	2015.04.29	20		
7	FCC NOX			ZL 201420869225.6	2014.12.28	2015.08.26	10		FCC

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	2018	2017	2016	2018	2017	2016
	328,408.07	309,965.86	261,707.68	--	10,526.76	14,089.35
	9,154.92	6,469.63	3,766.86	--	648.96	601.94
	2.79%	2.09%	1.44%	--	6.16%	4.27%
	2018	2017	2016	2018	2017	2016
	--	6,840.82	5,533.10	34,387.24	26,660.70	19,442.81
	--	751.03	630.21	1,229.20	915.96	833.35
	--	10.98%	11.39%	3.57%	3.44%	4.29%

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	2016.02.23	HW46 900-037-46	18,480 /	2016.02.23- 2019.02.23
	2017.01.17	HW50 251-017-50	18,480 /	2016.02.23- 2019.02.23
	2019.01.25	HW50 251-017-50	18,480 /	2019.01.25- 2024.01.25
	2018.09.13	HW50 251-016-50 251-017-50	10,000	2018.09.13- 2019.09.12

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2016	11,309.56	18,480 []
2017	17,828.55	18,480
2018	18,249.83	18,480

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2017	2016
28.80	23.98
5.48	4.39
0.88	0.40
0.73	2.01

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	2018	2017	2016
	1,486.13	1,295.07	339.40
	663.70	1,021.35	136.86
	822.43	273.72	202.54
	34,387.24	26,660.70	19,442.81

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2016				237.58
				101.82
		--	--	--
		--	--	339.40
2017				903.61
				387.26
		--		4.20
		--	--	1,295.07
2018				1,036.18
				444.08
		--		5.87
		--	--	1,486.13

2017

7 2015 2017 8.4 2016

2016	317,540	18,241.40	4.5
2017	336,331	24,887.00	4.2
2018	435,378	31,182.88	7.2

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	2016.01.20	--	--		--	
	2016.02.23	--	1 2			
	2016.03.31	--				

	2016.04.29	--	1 2			
	2016.05.26	--	1 2			
	2016.06.12	--	1 2 3 4			
	2016.07.20	--				
	2016.08.10	--				

	2016.09.15	--	--		--	
	2016.10.21	--	--		--	
	2016.12.19	--	80%			
	2017.01.08	--	1 2			
	2017.02.08	--	1 15 2 2017 2 2017			
	2017.04.06	--				
	2017.05.15	--				
	2017.06.08	--				
	2017.09.26	--	--		--	
	2018.02.20	--	--		--	
	2018.05.23	--	--		--	
	2018.06.01	--	--		--	
	2018.08.08	--	--		--	

	2018.10.16	--	--		--	
	2018.11.05	--	--		--	

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662.48

2016	2,151.21	6,655.13	--	8,806.34
2017	8,806.34	2,679.86	11,486.20	--
2018	--	151.57	151.57	--

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			2012 9 23		7 /1
			2010 10 37		1 /1
			2012 9 20		7 /1
			2010 10 11		1 /1

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本所接受北京天智航航空科技股份有限公司（以下简称“天智航”）的委托，指派本所律师为北京天智航航空科技股份有限公司提供法律意见。

北京市中伦律师事务所（盖章）

张敬昆

负责人

陈国栋

副所长

经办律师：



慕景丽

经办助理：



李科峰

2019 年 9 月 8 日

2019 年 9 月 8 日