Report No.: NBES130300016101
Date: 2013-04-27

Compliance (Summary) Report

Applicant:	Yuyao Gelong Electric Co., Ltd. Shangxinwu Village, Simen Town, Yuyao, Zhejiang, China.
Manufacturer:	Same as applicant
Test laboratory / address:	SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch 1-5/F., West of Building 4, Lingyun Industry Park, No. 1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang, China
Test specifications / Test standards :	EN 60335-2-8: 2003 + A1: 2005 + A2: 2008 EN 60335-1: 2012 EN 62233: 2008
Test item description:	Hair Clipper(Electric Hair Clipper)
Trade mark:	None
Model/Type reference:	009, 606, 607, 608, 609, 809, 908, 919, 989, 2200
Ratings:	Hair clipper: 3 V d.c.; 3 W; 009, 606, 607, 608, 809, 908, 919, 2200: battery voltage: 1,2 V d.c. 609, 989: battery voltage: 2,4 V d.c. Adaptor(FYB-A00300200): input: 230 V; 50 Hz / 60 Hz; output: 3 V d.c.; 200 mA
Test result :	In the opinion of SGS-CSTC the presented appliance was found to be in compliance with the test specification as indicated in the details on the following pages.
Remark :	None

SGS-CSTC FIRE SAFETY LAB SGS 宁波 NINGBO

Gloria Feng
Reviewer
E & E Safety Laboratory

Sagan Sheng
Project Engineer

Summary of testing:

The provided samples were tested and found to meet the below standards:

EN 60335-2-8: 2003 + A1: 2005 + A2: 2008
EN 60335-1: 2012
EN 62233: 2008
After review, full tests were performed on the model 989, tests of clause 10, 11, 13, 19,7 and 19,101 were performed on model 919.

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

Marking plate of hair clipper	Marking plate of power supply
919 3 V d.c. 3 W battery voltage: 1,2 V d.c. Yuyao Gelong Electric Co., Ltd. Copy of marking plates for other models were the same as above one except for the model name and ratings.	

Test item particulars.....:	Hair Clipper(Electric Hair Clipper)
Classification of installation and use.....:	Hand-held appliance
Supply Connection.....:	Direct plug-in power supply
.....:	
Possible test case verdicts:	
- test case does not apply to the test object..... :	N/A
- test object does meet the requirement ..... :	P (Pass)
- test object does not meet the requirement..... :	F (Fail)
Testing ..... :	
Date of receipt of test item..... :	2013-03-20
Date (s) of performance of tests..... :	2013-03-20 to 2013-04-27

General product information:

Hair clipper for household and indoor use only.
There were nine models in this test report, and they used same power supply, battery, similar electric circuit, different appearance. 1,2 V motor and 1x1,2 V battery for 009, 606, 607, 608, 809, 908, 919, 2200; 2,4 V motor and 2x1,2 V battery for 609, 989. And only the rechargeable battery of 919 can be replaced.

Hair clippers of all models were class III construction and powered by external power supply connected with charging base. Hair clippers of 989, 908, 2200, 009 also can powered by the external power supply without charging base.
Adaptor(FYB-A00300200): input: 230 V; 50 Hz / 60 Hz; output: 3 V d.c.; 200 mA; Class II.

Test Results:

EN 60335-1 and EN 60335-2-8			
Clause		**Remarks**	**Verdict**
5	General conditions for the tests		P
6	Classification		P
7	Marking and instructions		P
8	Protection against access to live parts		P
9	Starting of motor-operated appliances		N/A
10	Power input and current		P
11	Heating		P
13	Leakage current and electric strength at operating temperature		P
14	Transient overvoltages		N/A
15	Moisture resistance		P
16	Leakage current and electric strength		P
17	Overload protection of transformers and associated circuits	GS approved and class II adaptor	P
18	Endurance		N/A
19	Abnormal operation		P
20	Stability and Mechanical Hazards		P
21	Mechanical strength		P
22	Construction		P
23	Internal wiring		P
24	Components		P
25	Supply connection and external flexible cords		P
26	Terminals for external conductors		P
27	Provision for earthing		N/A
28	Screws and connections		P
29	Clearances, creepage distances and solid insulation		P
30	Resistance to heat and fire		P
31	Resistance to rusting		P
32	Radiation, toxicity and similar hazards		P
Annex A	Routine tests		N/A
Annex B	Appliances powered by rechargeable batteries		P

Annex C	Ageing test on motors	No such motor	N/A
Annex D	Thermal motor protectors	No such motor protector	N/A
Annex E	Needle flame test	No need for this test	N/A
Annex F	Capacitors	No such capacitor	N/A
Annex G	Safety isolating transformers	No such transformer	N/A
Annex H	Switches	No such switch	N/A
Annex I	Motors having basic insulation that is inadequate for the rated voltage of the appliance	No such motor	N/A
Annex J	Coated printed circuit boards	No such PCB	N/A
Annex K	Overvoltage categories		P
Annex L	Guidance for the measurement of clearances and creepage distances		P
Annex M	Pollution degree		P
Annex N	Proof tracking test		P
Annex O	Selection and sequence of the tests of clause 30		P
Annex P	Guidance for the application of this standard to appliances used in warm damp equable climates	Not intend for such use	N/A
Annex Q	Sequence of tests for the evaluation of electronic circuits	No electronic circuit	N/A
Annex R	Software evaluation	No software	N/A
European group differences and national differences			P

ANNEX I: Data Table

10.1	TABLE: Power input deviation (989)				P
Input deviation of/at:	P rated (W)	P measured (W)	dP	Required dP	Remark
3 V	3	2,7	-10 %	+20 %	P

10.1	TABLE: Power input deviation (919)				P
Input deviation of/at:	P rated (W)	P measured (W)	dP	Required dP	Remark
3 V	3	2,4	-20 %	+20 %	P

11.8 (1)	TABLE: Heating test, thermocouples (989)		P
	Test voltage (V) :	1,06x230=243,6 V	—
	Ambient (°C) :	T1=18,6 °C, T2=18,7 °C	—

Thermocouple locations	dT (K)	Max. dT (K)
Internal wire	4,3	50
Ambient of power switch	5,5	For reference
PCB	0,9	120
Enclosure (inside)	1,9	Clause 30.1
Enclosure (outside)	1,1	60 and Clause 30.1
Charging base enclosure	4,3	60 and Clause 30.1
Battery surface	7,8	For reference
Handle surface	0,9	50
Cutting teeth	0,8	30
Button of power switch	3,2	60
Power supply surface	5,5	60
Test corner	2,0	65
Remark: 1) Battery charged for 24 h, the battery was being initially discharged to such an extent that the appliance cannot operate. 2) Motor did not work.		

11.8 (2)	TABLE: Heating test, thermocouples (919)		P
	Test voltage (V) :	1,06x230=243,6 V	—
	Ambient (°C) :	T1=19,5 °C, T2=19,6 °C	—

Thermocouple locations	dT (K)	Max. dT (K)
Internal wire	7,1	50
Ambient of power switch	8,8	For reference
PCB	8,6	120
Enclosure (inside)	4,6	Clause 30.1

Enclosure (outside)	3,7	60 and Clause 30.1
Charging base enclosure	5,5	60 and Clause 30.1
Battery surface	7,2	For reference
Handle surface	4,5	50
Cutting teeth	3,3	30
Button of power switch	1,3	60
Test corner	2,0	65
Remark: 1) Battery charged for 24 h, the battery was being initially discharged to such an extent that the appliance cannot operate. 2) Motor did not work.		

11.8 (3)	TABLE: Heating test, thermocouples (989)		P
	Test voltage (V) :	—	—
	Ambient (°C) :	T1=23,0 °C, T2=23,1 °C	—
Thermocouple locations	dT (K)	Max. dT (K)	
Internal wire	7,4	50	
Ambient of power switch	6,9	For reference	
PCB	4,2	120	
Enclosure (inside)	5,0	Clause 30.1	
Enclosure (outside)	2,4	60 and Clause 30.1	
Charging base enclosure	1,6	60 and Clause 30.1	
Battery surface	7,2	For reference	
Motor housing	12,8	65 (Class 105)	
Handle surface	2,5	50	
Cutting teeth	2,9	30	
Button of power switch	2,6	60	
Power supply surface	3,2	60	
Test corner	2,6	65	
Remark: 1) Supplied by its fully charged battery. 2) Operated for 10 min			

11.8 (4)	TABLE: Heating test, thermocouples (919)		P
	Test voltage (V) :	—	—
	Ambient (°C) :	T1=23,1 °C, T2=23,2 °C	—
Thermocouple locations	dT (K)	Max. dT (K)	
Internal wire	2,2	50	
Ambient of power switch	3,2	For reference	

PCB	2,4	120
Enclosure (inside)	3,0	Clause 30.1
Enclosure (outside)	2,3	60 and Clause 30.1
Charging base enclosure	0,7	60 and Clause 30.1
Battery surface	3,1	For reference
Motor housing	6,5	65 (Class 105)
Handle surface	2,4	50
Cutting teeth	2,8	30
Button of power switch	1,9	60
Test corner	1,1	65
Remark: 1) Supplied by its fully charged battery. 2) Operated for 10 min		

13.2	**TABLE: Leakage current (989)**		**P**
	Heating appliances: 1.15 x rated input..... :	1,06x230=243,6 V	—
	Motor-operated and combined appliances: 1.06 x rated voltage..... :	—	—
Leakage current between		I (mA)	Max. allowed I (mA)
L/N of power supply and accessible parts		0,01	0,35 peak
Pins of hair clipper and accessible parts		0,01	0,7 peak

13.2	**TABLE: Leakage current (919)**		**P**
	Heating appliances: 1.15 x rated input..... :	1,06x230=243,6 V	—
	Motor-operated and combined appliances: 1.06 x rated voltage..... :	—	—
Leakage current between		I (mA)	Max. allowed I (mA)
L/N of power supply and accessible parts		0,01	0,35 peak
Pins of hair clipper and accessible parts		0,01	0,7 peak

13.3	**TABLE: Electric strength (989)**		**P**
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)
L/N of power supply and accessible parts		3000	No
Pins of hair clipper and accessible parts		500	No

13.3	**TABLE: Electric strength (919)**		**P**
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)
L/N of power supply and accessible parts		3000	No

Pins of hair clipper and accessible parts	500	No

16.2	TABLE: Leakage current (919)		P
	Single phase appliances: 1.06 x rated voltage.... :	1,06x230=243,6 V	—
	Three phase appliances 1.06 x rated voltage divided by √3:..... :	—	—

Leakage current between	I (mA)	Max. allowed I (mA)
L/N of power supply and accessible parts	0,02	0,25
Pins of hair clipper and accessible parts	0,02	0,5

16.3	TABLE: Electric strength (989)	P

Test voltage applied between:	Voltage (V)	Breakdown (Yes/No)
L/N of power supply and accessible parts	3000	No
Pins of hair clipper and accessible parts	500	No

19.13	TABLE: Abnormal operation, running overload(989)			P
at .times rated power input Room temperature t1:				21,2 °C
t2:				21,3 °C
Parts measured	Limit temp. rise(K)	Measured temperature rise (K)		
		19,7	19,101	19.101/Annex B
Battery surface	For reference	6,2	17,4	6,8
Motor housing	150 °C	27,3 °C	41,7 °C	--
Test corner	150	4,7	17,1	4,1

Remark:

1. 19.7 - tested for 30 s
2. 19.101 - Placed on a soft-wood board in the most unfavourable position, until steady conditions were established.
3. 19.101 of Annex B - Supplied at rated voltage for 168 h, the battery being continually charged during this period

19.13	TABLE: Abnormal operation, running overload (919)				P
at .times rated power input Room temperature t1:					23,5 °C
t2:					23,7 °C
Parts measured	Limit temp. rise(K)	Measured temperature rise (K)			
		19,7	19,101	19.101/Annex B	
Battery surface	For reference	2,1	9,4	7,9	
Motor housing	150 °C	32,5 °C	31,5 °C	--	
Test corner	150	1,6	4,4	5,9	

Remark:

1. 19.7 - tested for 30 s
2. 19.101 - Placed on a soft-wood board in the most unfavourable position, until steady conditions were established.
3. 19.101 of Annex B - Supplied at rated voltage for 168 h, the battery being continually charged during this period

24.1	TABLE: Components				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Power supply	Ningbo Liyu Electrical Appliance Co., Ltd.	FYB-A00300200	Input: 230 V~, 50/60 Hz, Max, Output: 3 V d.c., 200 mA	EN 61558-2-6 EN 61558-1	Intertek* (07SHS2087-02)
Motor (for 908, 606, 607, 608, 809, 919, 009, 2200)	Yuyao City Aofeng Hardware Co., Ltd.	189/141	1,2 V d.c.	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Motor (for 609, 989)	Yuyao City Aofeng Hardware Co., Ltd.	189/141	2,4 V d.c.	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Internal wire	Yuyao Gelong Electric Co., Ltd.	--	0,5 mm^2	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Switch	Yuyao Gelong Electric Co., Ltd.	--	--	IEC 60335-2-8 IEC 60335-1	Tested with appliance
PCB	Yuyao Gelong Electric Co., Ltd.	--	Min. thickness: 1,0 mm	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Battery	Zhenjiang Lixin Electrical Equipment Factory	AA, Ni-MH	1,2 V, 600 mAh	IEC 60335-2-8 IEC 60335-1	Tested with appliance

Enclosure/ button of power switch	Yuyao Gelong Electric Co., Ltd.	ABS	Min. thickness: 1,0 mm	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Enclosure cover	Yuyao Gelong Electric Co., Ltd.	ABS	Min. thickness: 1,0 mm	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Charging base enclosure	Yuyao Gelong Electric Co., Ltd.	ABS	Min. thickness: 1,0 mm	IEC 60335-2-8 IEC 60335-1	Tested with appliance
Pin supporter of appliance inlet	Yuyao Gelong Electric Co., Ltd.	ABS	Min. thickness: 1,0 mm	IEC 60335-2-8 IEC 60335-1	Tested with appliance
[1)] An asterisk indicates a mark which assures the agreed level of surveillance					

28.1	**TABLE: Threaded part torque test**		**P**
Threaded part identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)
Screws for fixing enclosure (989)	2,4	II	0,4
Screws for fixing enclosure (919)	2,0	II	0,4

29.1	TABLE: Clearances		P
	Overvoltage category :	II	—

		Type of insulation:				
Rated impulse voltage (V):	Min. cl (mm)	Basic	Functional	Supplementary	Reinforced	Verdict / Remark

330	0,5 [1)]	—	—	—	—	N/A
500	0,5 [1)]	—	—	—	—	N/A
800	0,5 [1)]	—	—	—	—	N/A
1500	0,5 [1), 2)]	—	—	—	—	N/A
2500	**1,5 [2)]**	1)	3)	2)	—	P
4000	**3,0 [2)]**	—	—	—	4)	P
6000	5,5 [2)]	—	—	—	—	N/A
8000	8,0 [2)]	—	—	—	—	N/A
10000	11,0 [2)]	—	—	—	—	N/A

Remark:

1) Basic insulation: Covered by cases in reinforced and supplementary;

2) Supplementary insulation: approved power supply

3) Functional insulation: approved power supply

4) Reinforced insulation: approved power supply

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm) Pollution degree										
	1	2			3			Type of insulation			
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb	B*)	S*)	R*)	Verdict
>50	0,2	0,6	0,9	1,2	1,5	1,7	1,9		—	—	N/A
>50	0,2	0,6	0,9	1,2	1,5	1,7	1,9	—		—	N/A
>50	0,4	1,2	1,8	2,4	3,0	3,4	3,8	—	—		N/A
>50 and ≤125	0,3	0,8	1,1	1,5	1,9	2,1	2,4		—	—	N/A
>50 and ≤125	0,3	0,8	1,1	1,5	1,9	2,1	2,4	—		—	N/A
>50 and ≤125	0,6	1,6	2,2	3,0	3,8	4,2	4,8	—	—		N/A
>125 and ≤ 250	0,6	1,3	1,8	**2,5**	3,2	3,6	4,0	1)	2)	—	P
>125 and ≤ 250	1,2	2,6	3,6	**5,0**	6,4	7,2	8,0	—	—	4)	P
>250 and ≤400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		—	—	N/A
>250 and ≤400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	—		—	N/A
>250 and ≤400	2,0	4,0	5,6	8,0	10,0	11,2	12,6	—	—		N/A
>400 and ≤500	1,3	2,5	3,6	5,0	6,3	7,1	8,0		—	—	N/A
>400 and ≤500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	—		—	N/A

>400 and ≤500	2,6	5,0	7,2	10,0	12,6	14,2	16,0	—	—		N/A
>500 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0		—	—	N/A
>500 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	—		—	N/A
>500 and ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	—	—		N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5		—	—	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—		—	N/A
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	—	—		N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0		—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—		—	N/A
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	—	—		N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0		—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—		—	N/A
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0	—	—		N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0		—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—		—	N/A
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	—	—		N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25, 0	28,0	32,0		—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25, 0	28,0	32,0	—		—	N/A
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	—	—		N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0		—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—		—	N/A
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0	—	—		N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0		—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—		—	N/A
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	—	—		N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0		—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—		—	N/A
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0	—	—		N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0		—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—		—	N/A
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0	—	—		N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0		—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—		—	N/A
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	—	—		N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0		—	—	N/A

>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	—		—	N/A
>8000 and ≤10000	64,0	80,0	112,0	160,0	200,0	220,0	250,0	—	—		N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0		—	—	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	—		—	N/A
>10000 and ≤12500	80,0	100,0	142,0	200,0	250,0	280,0	320,0	—	—		N/A
*), B=Basic, S=Supplementary and R=Reinforced											

29.2	TABLE: Creepage distances, functional insulation							P
Working voltage (V)	Creepage distance (mm) Pollution degree							
	1	2			3			
		Material group			Material group			
		I	II	IIIa/IIIb	I	II	IIIa/IIIb	Verdict / Remark
>50	0,2	0,6	0,8	1,1	1,4	1,6	1,8	N/A
>50 and ≤125	0,3	0,7	1,0	1,4	1,8	2,0	2,2	N/A
>125 and ≤250	0,4	1,0	1,4	**2,0**	2,5	2,8	3,2	P
>250 and ≤400	0,8	1,6	2,2	3,2	4,0	4,5	5,0	N/A
>400 and ≤500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	N/A
>500 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	N/A

30.1	TABLE: Ball pressure			P
Part	Test temperature (°C)	Impression diameter (mm)	Allowed impression diameter (mm)	
Enclosure/enclosure cover	75	0,7	≤2,0	
Shroud of appliance inlet	75	0,7	≤2,0	
Charging base enclosure	75	0,7	≤2,0	

30.2/30.3	TABLE: resistance to heat, fire and tracking, tracking and glow-wire test							P
Part	tracking test (V)		glow-wire test (°C)				Needle flame test	Result
	175	250	550	650	750	850		
Enclosure/enclosure cover			X					P
Charging base enclosure			X					P
PCB			X					P
Shroud of appliance inlet			X					P

EMF Test (EN 62233: 2008)			P
	Tested product also complies to requirements		Result
989	Limit ……100 %	Measured max. : 1,3 %	P
919	Limit ……100 %	Measured max. : 1,3 %	P

ANNEX II: Photo documentation

Details of: Charging state without charging base of 009

View:

[ ] general

[ ] front

[ ] rear

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Details of: Charging state without charging base of 2200

View:

[ ] general

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[X] rear

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Details of: Charging state with charging base of 2200

View:

[ ] general

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Details of: Charging state with charging base of 809

View:

[ ] general

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Details of: Charging state with charging base of 009

View:

[ ] general

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Details of: Charging state with charging base of 908

View:

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Details of: Charging state without charging base of 908

View:

[ ] general

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Details of: Charging state without charging base of 989

View:

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Details of: Charging state with charging base of 989

View:

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Details of: Charging state with charging base of 608

View:

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Details of: Charging state with charging base of 606

View:

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Details of: Charging state with charging base of 607

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Details of: Charging state with charging base of 609

View:

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Details of: 919

View:

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Details of: 919

View:

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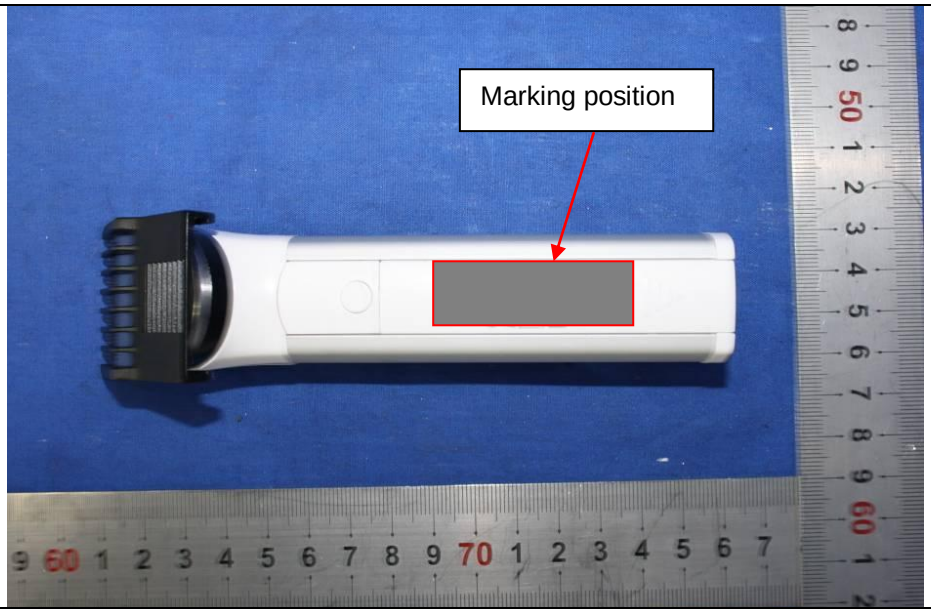

Details of: 919

View:

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Details of: 919

View:

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Details of: 919

View:

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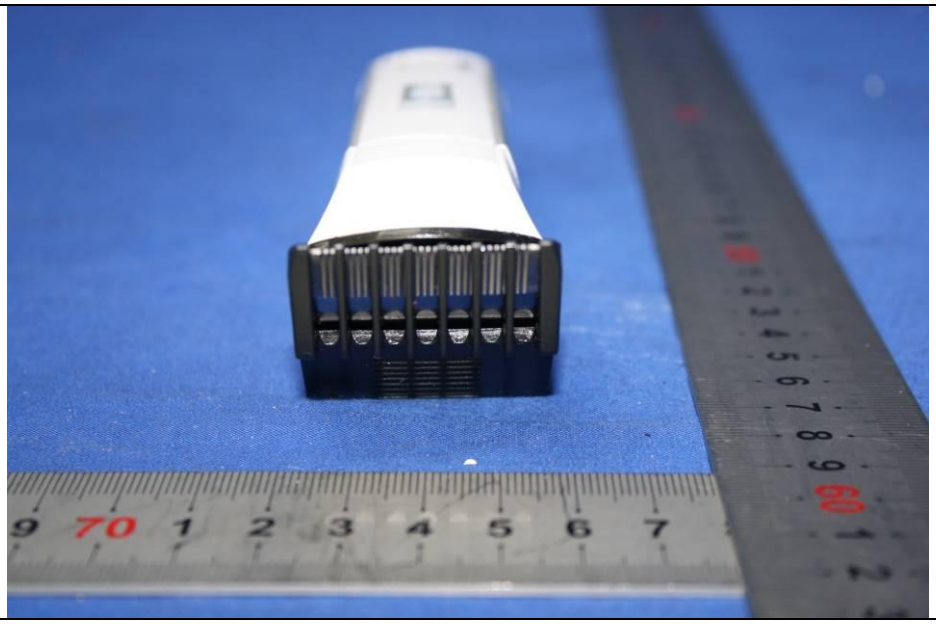

Details of: 919

View:

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Details of: Open view of 919

View:

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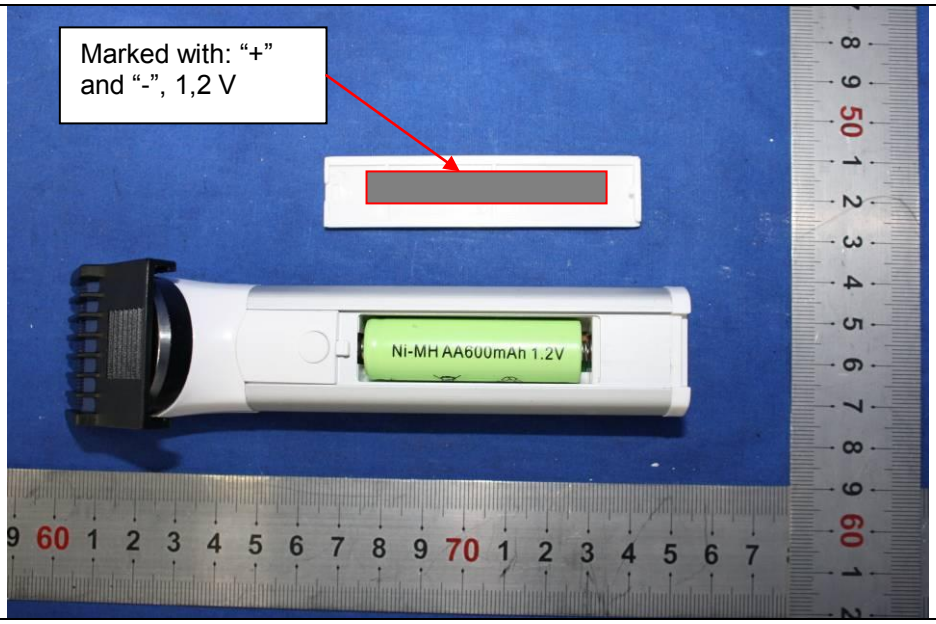

Details of: Battery of 919

View:

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Details of: Open view of 919

View:

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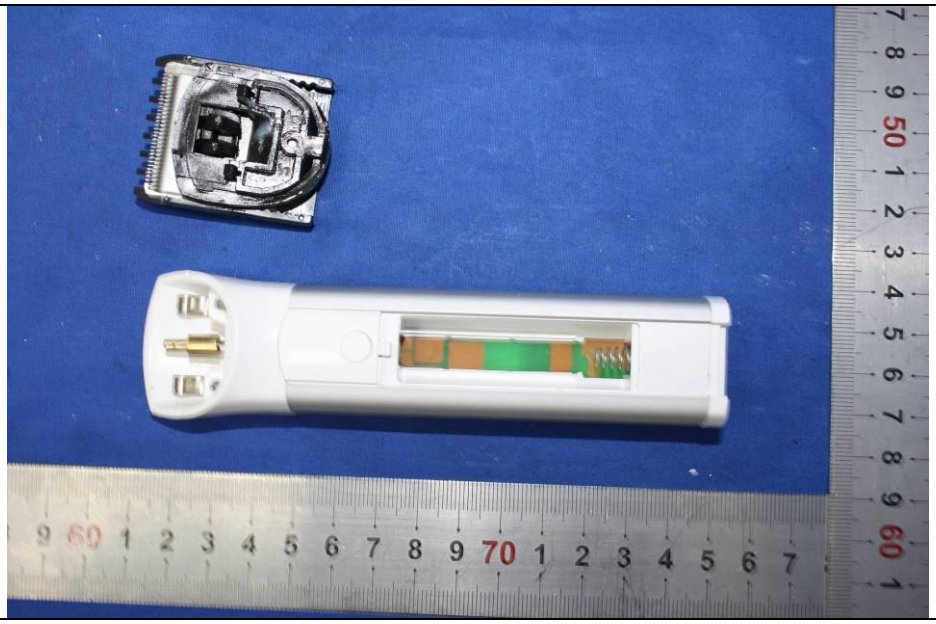

Details of: Battery of 919

View:

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Details of: Open view of 919

View:

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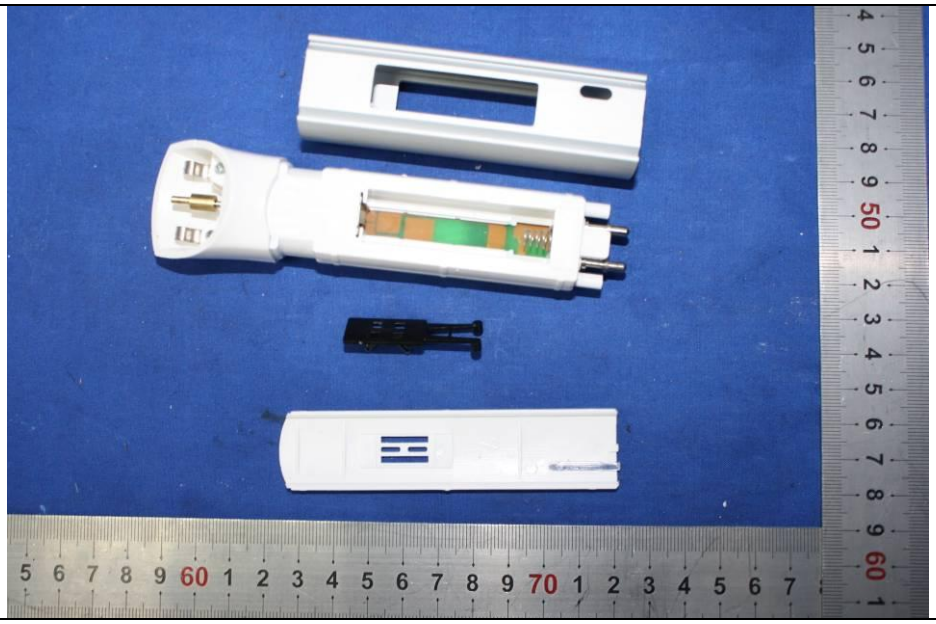

Details of: Open view of 919

View:

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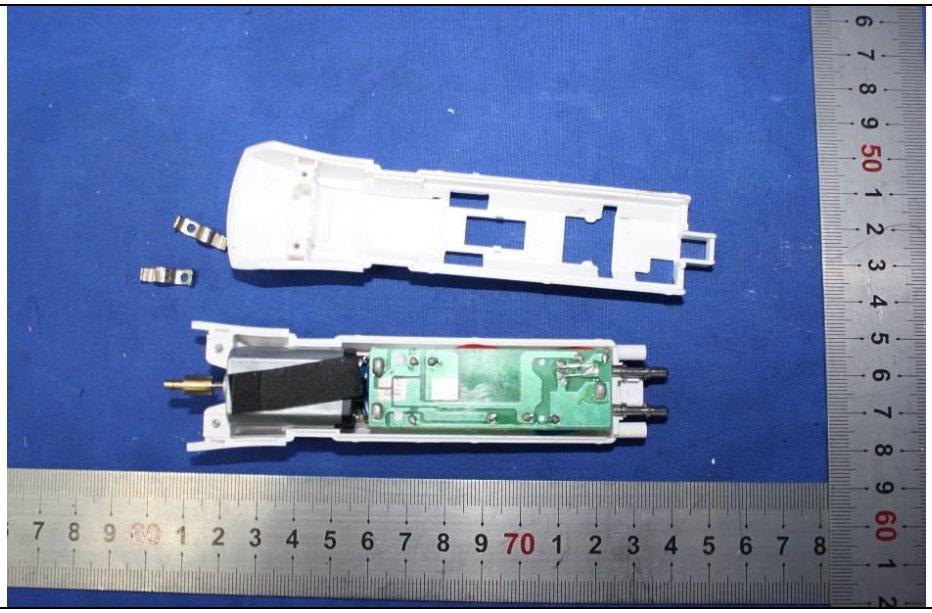

Details of: PCB of 919

View:

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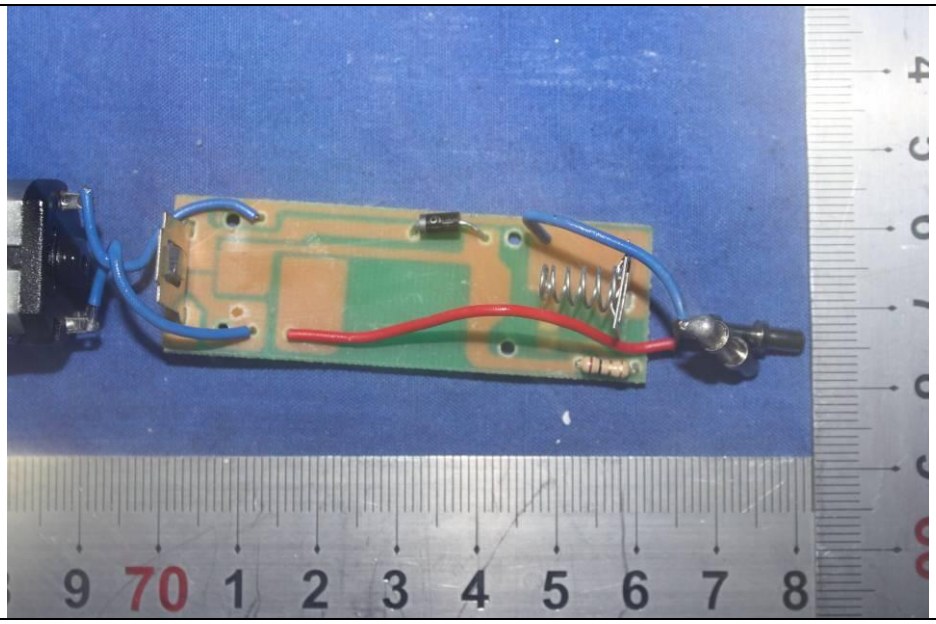

Details of: PCB of 919

View:

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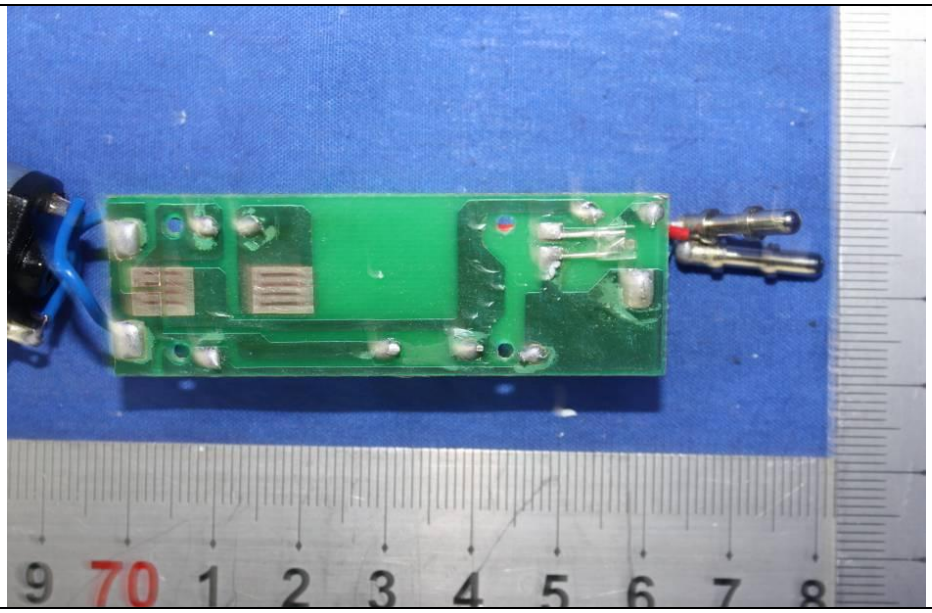

Details of: Motor of 009, 606, 607, 608, 809, 908, 919, 2200

View:

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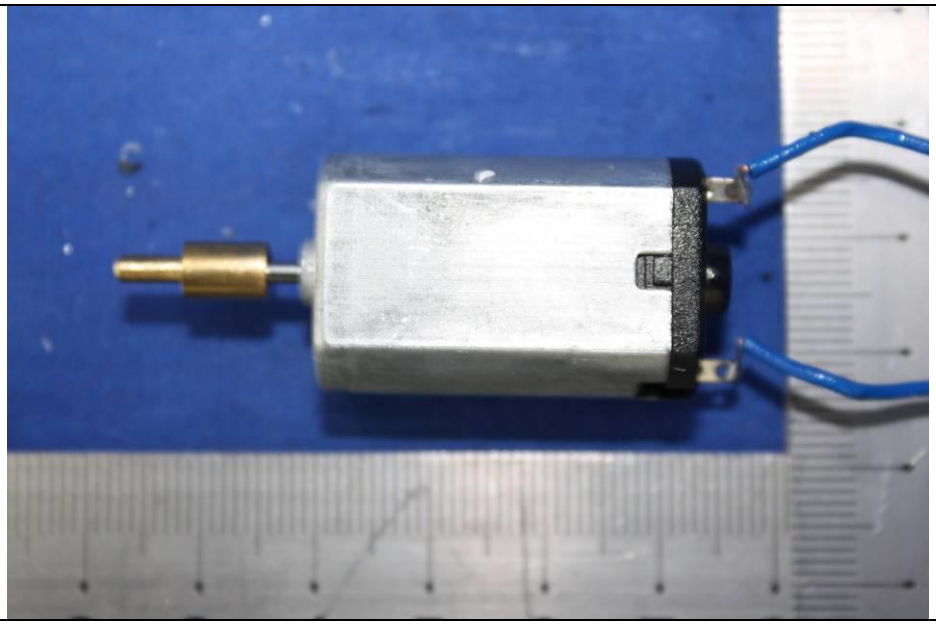

Details of: 009

View:

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Details of: 009

View:

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Details of: 009

View:

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Details of: 009

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Details of: 009

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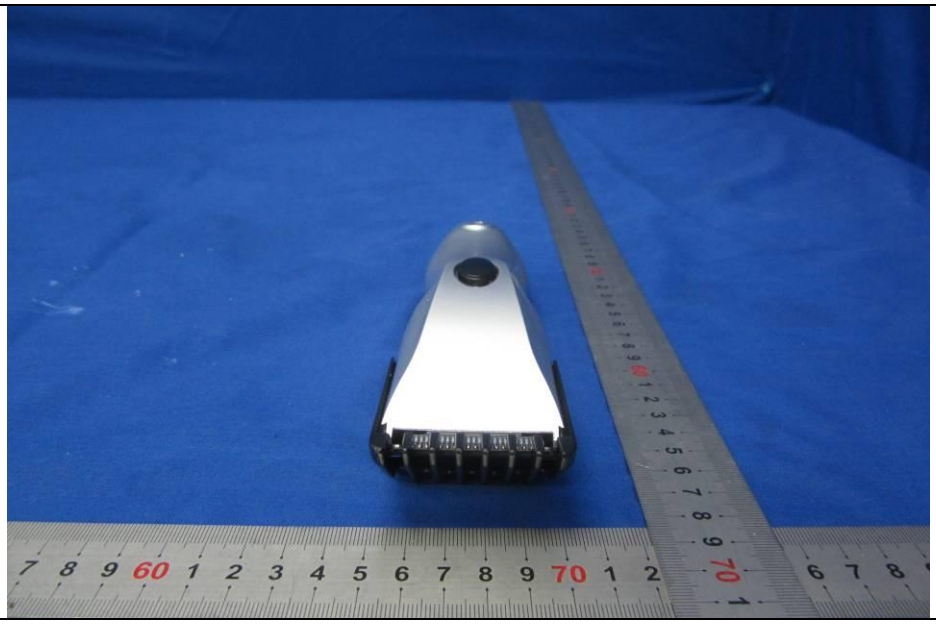

Details of: 009

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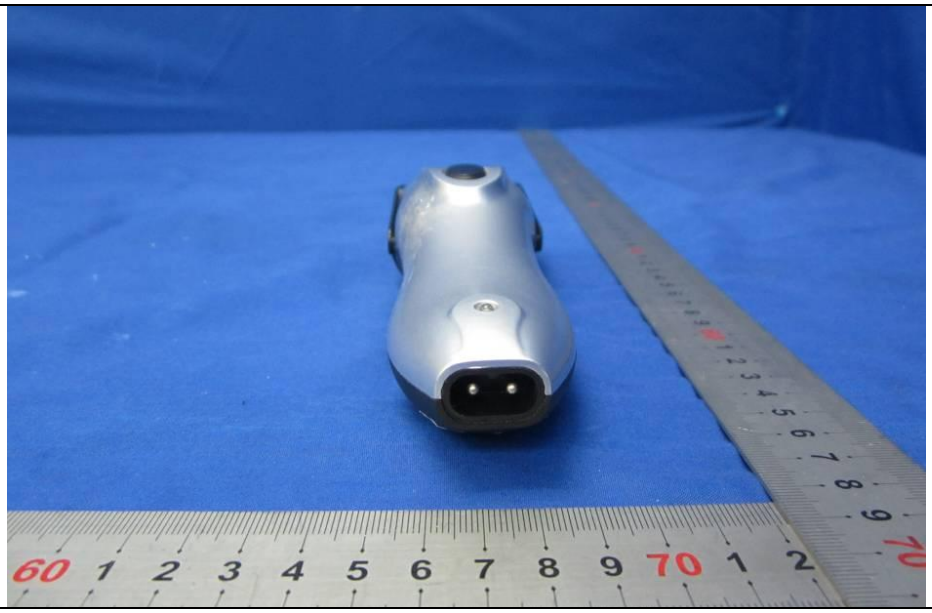

Details of: Open view of 009

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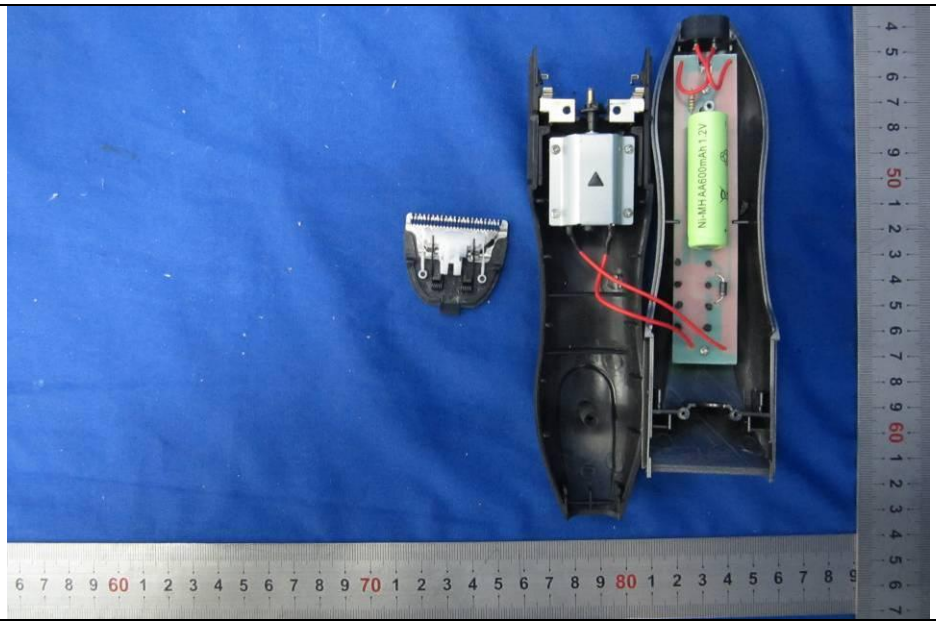

Details of: PCB of 009

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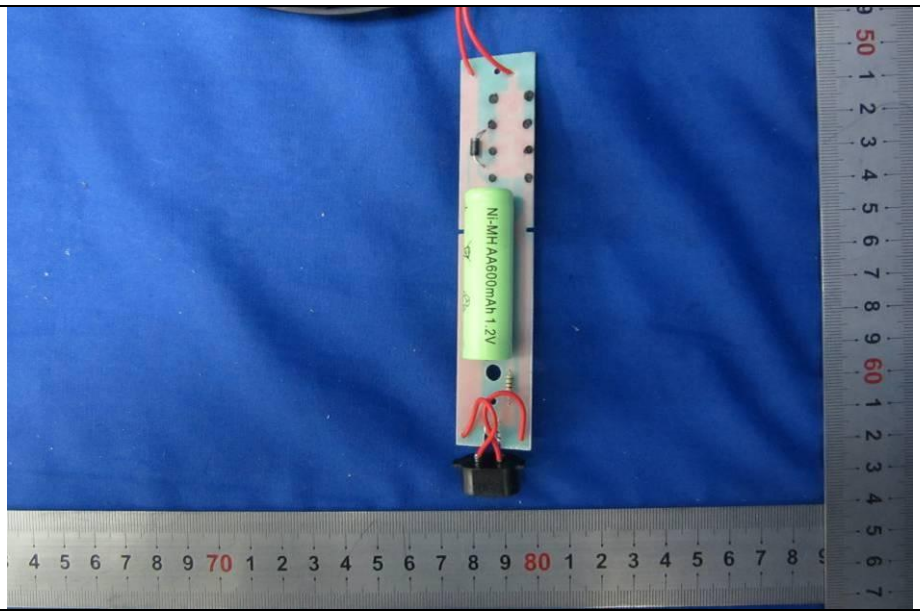

Details of: PCB of 009

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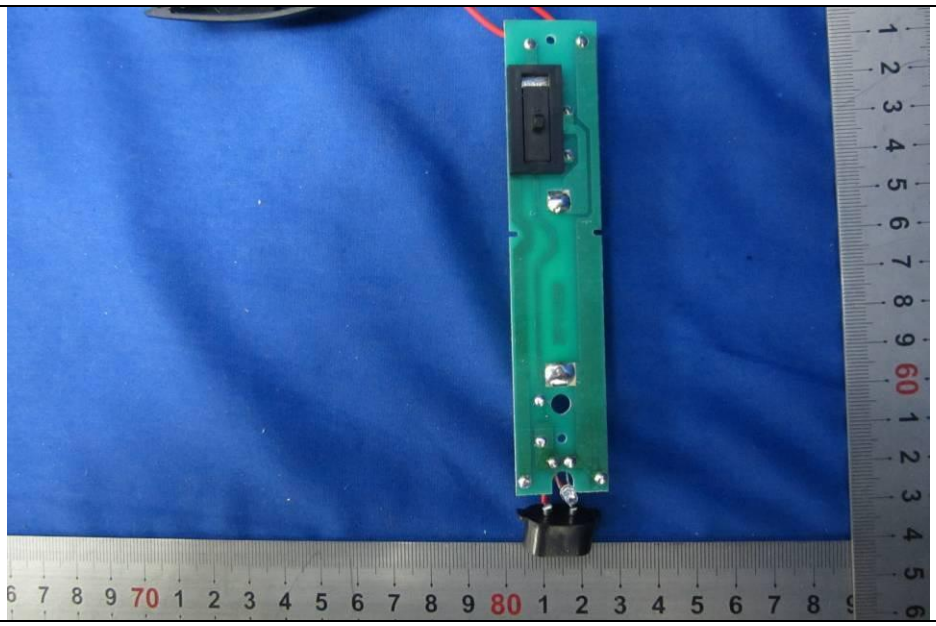

Details of: 606

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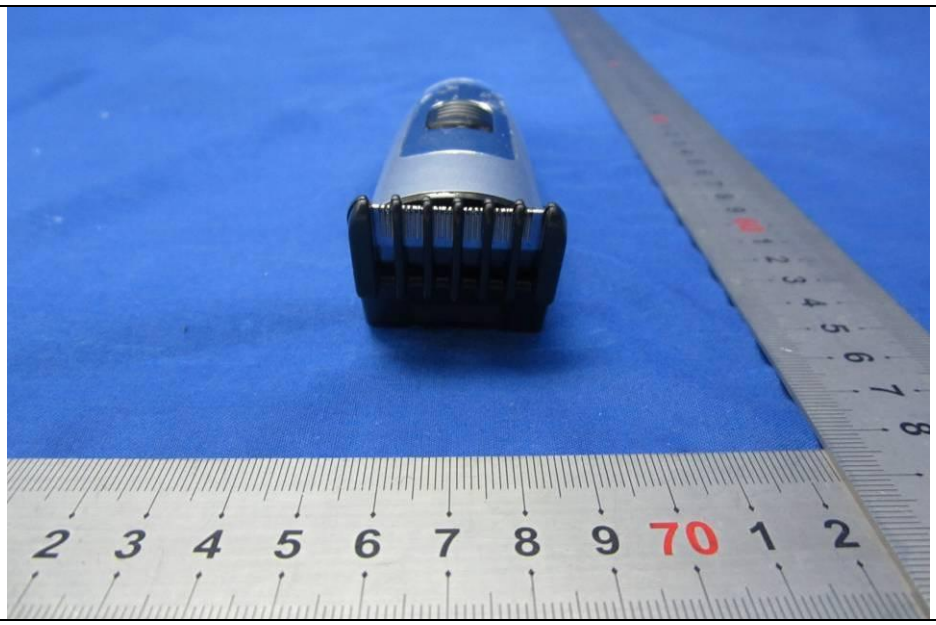

Details of: 607

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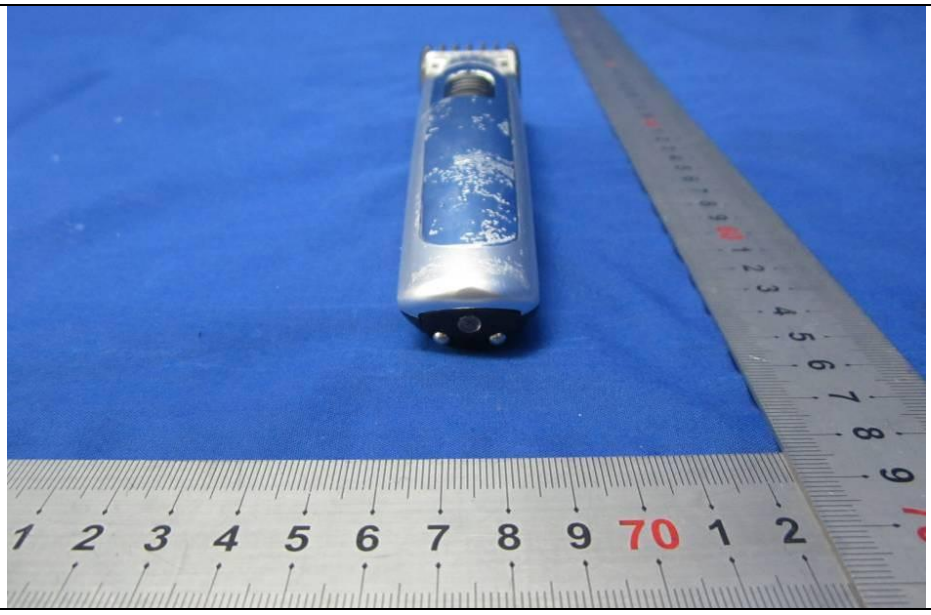

Details of: Open view of 607

View:

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Details of: 608

View:

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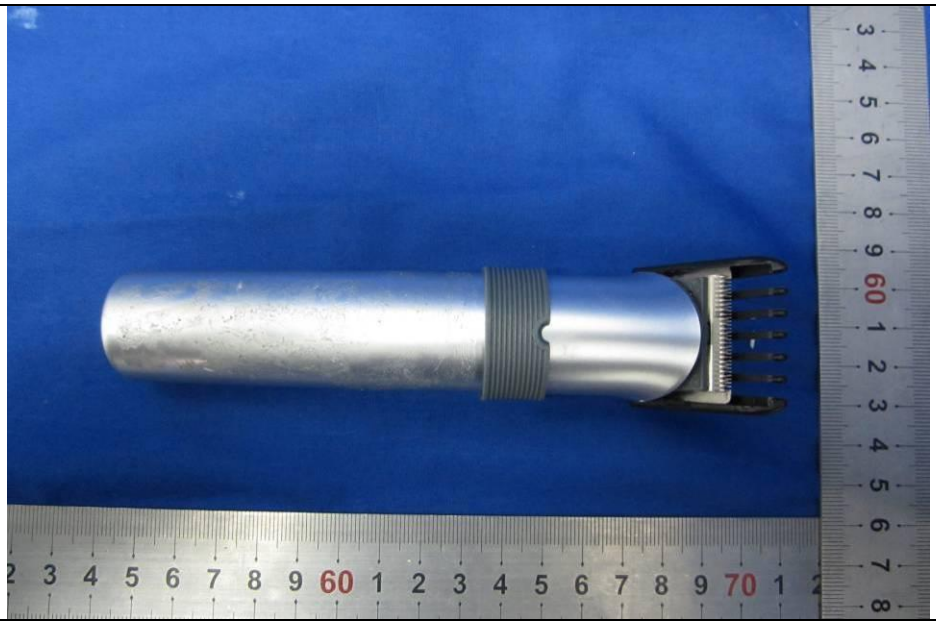

Details of: 608

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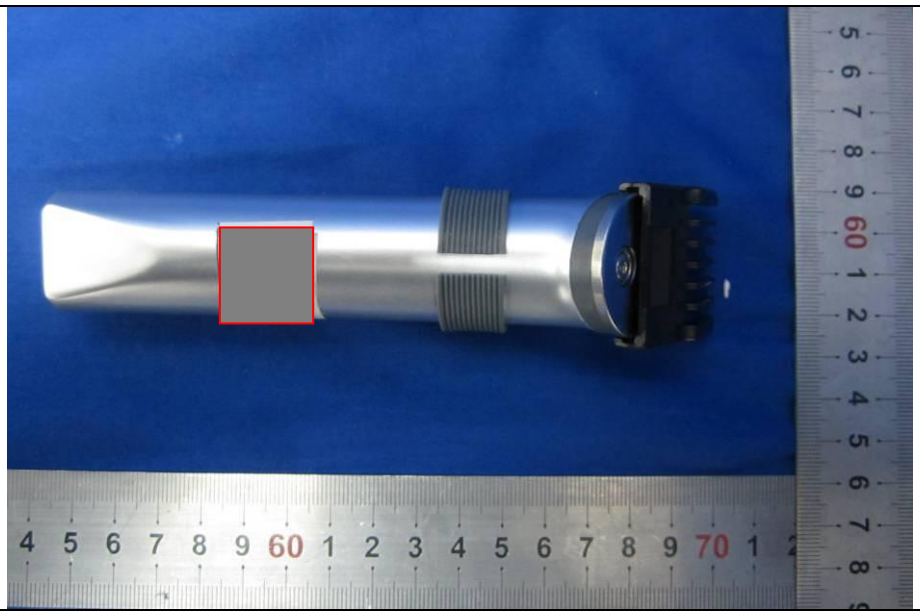

Details of: 608

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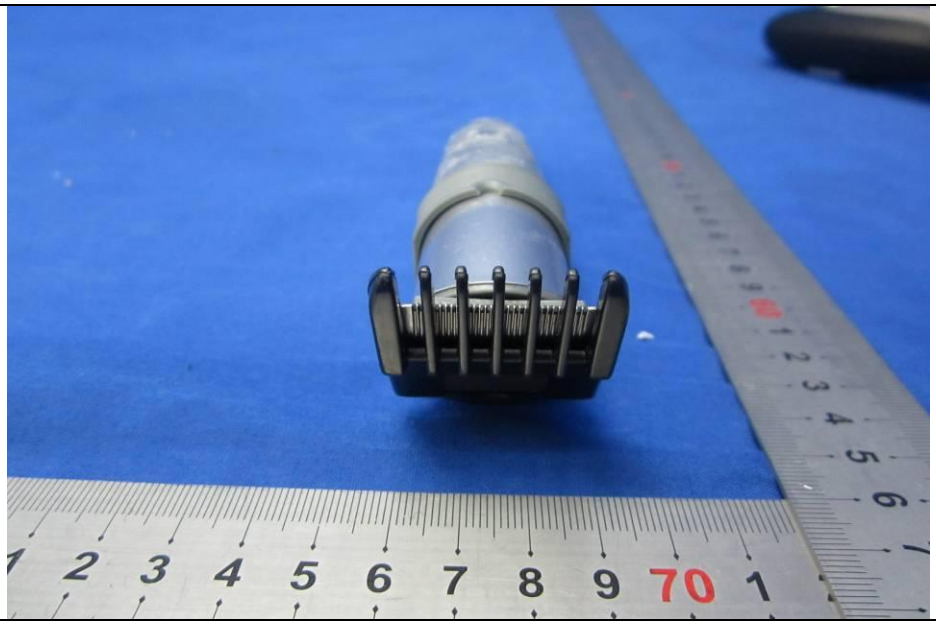

Details of: 608

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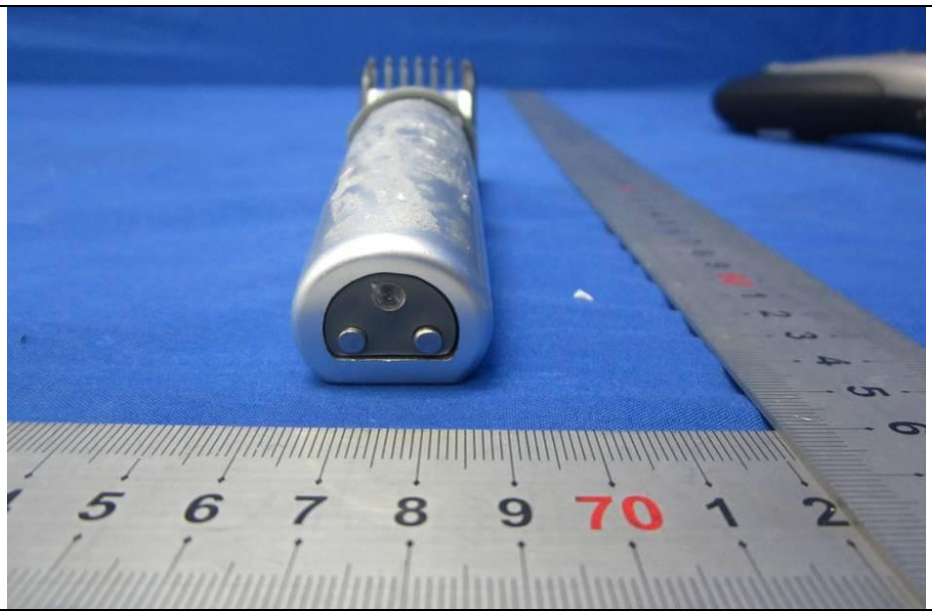

Details of: Open view of 608

View:

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Details of: 609

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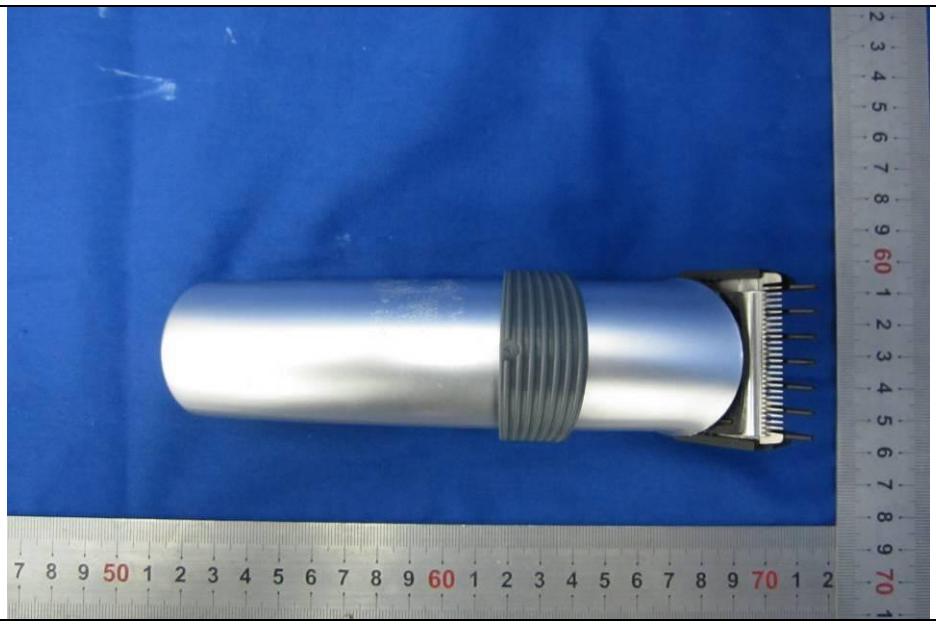

Details of: 609

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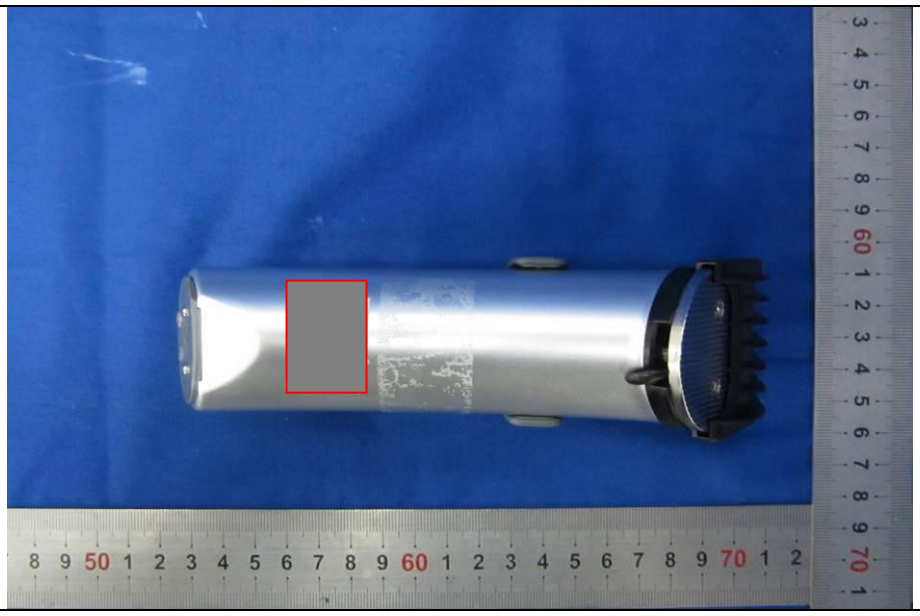

Details of: 609

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Details of: 609

View:

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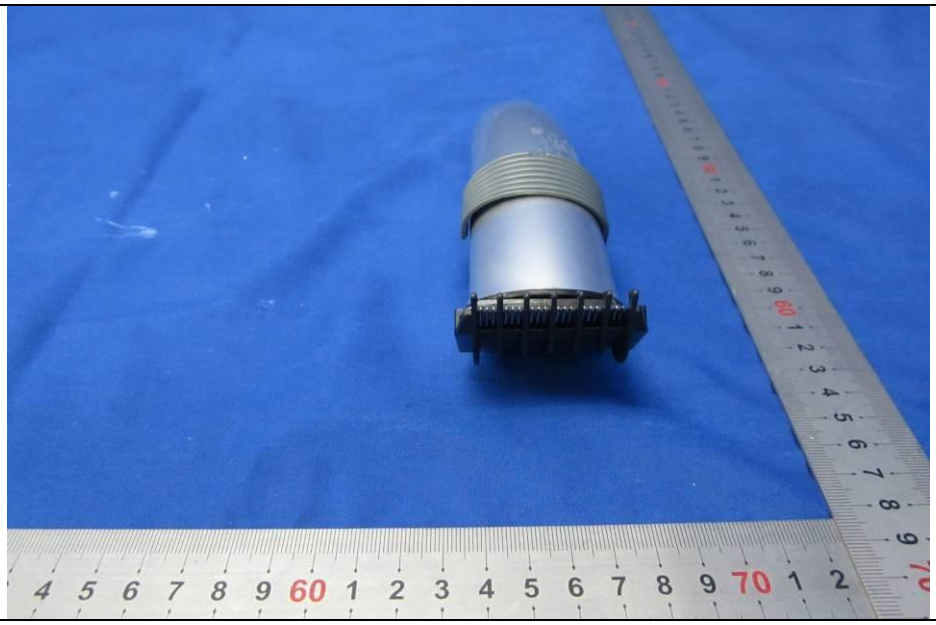

Details of: 609

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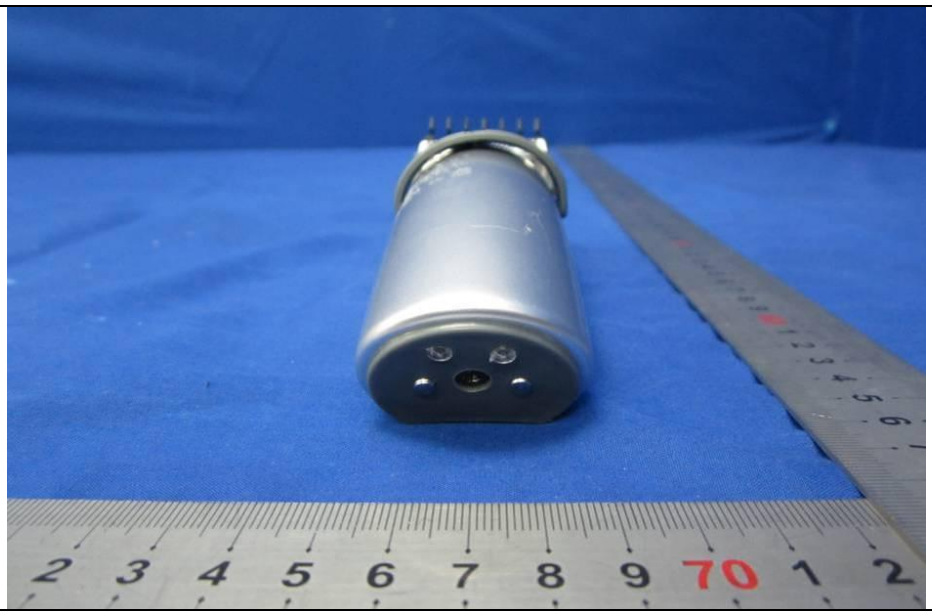

Details of: Open view of 609

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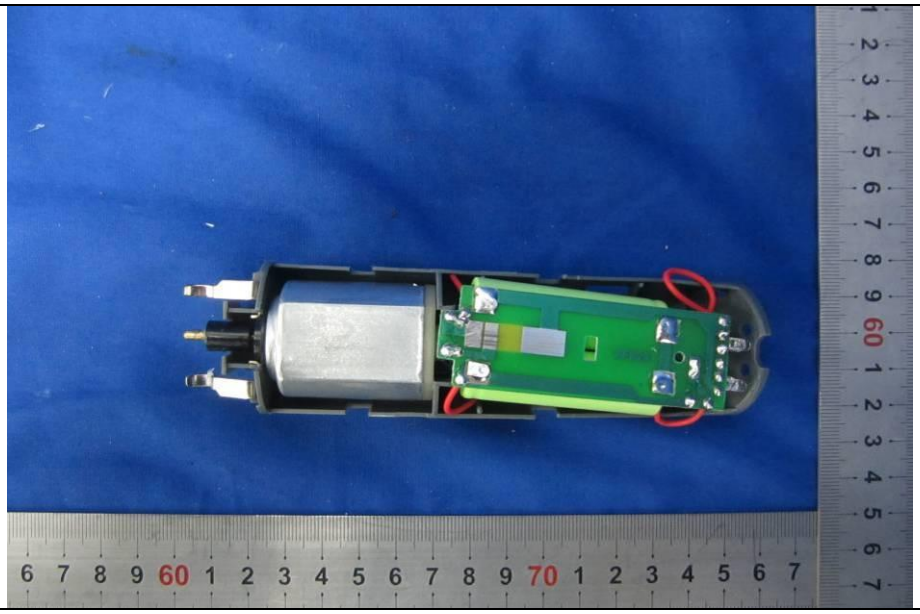

Details of: Open view of 609

View:

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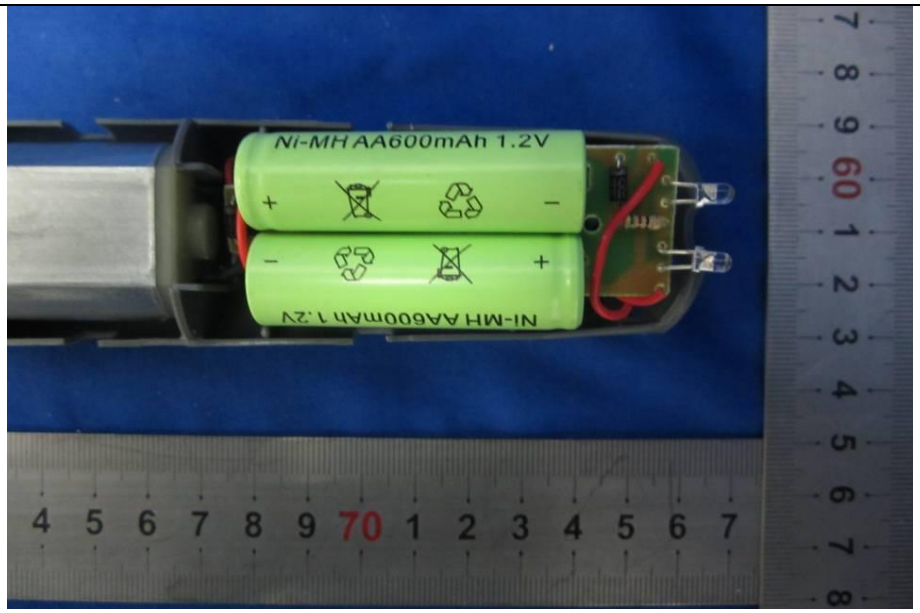

Details of: 809

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Details of: 809

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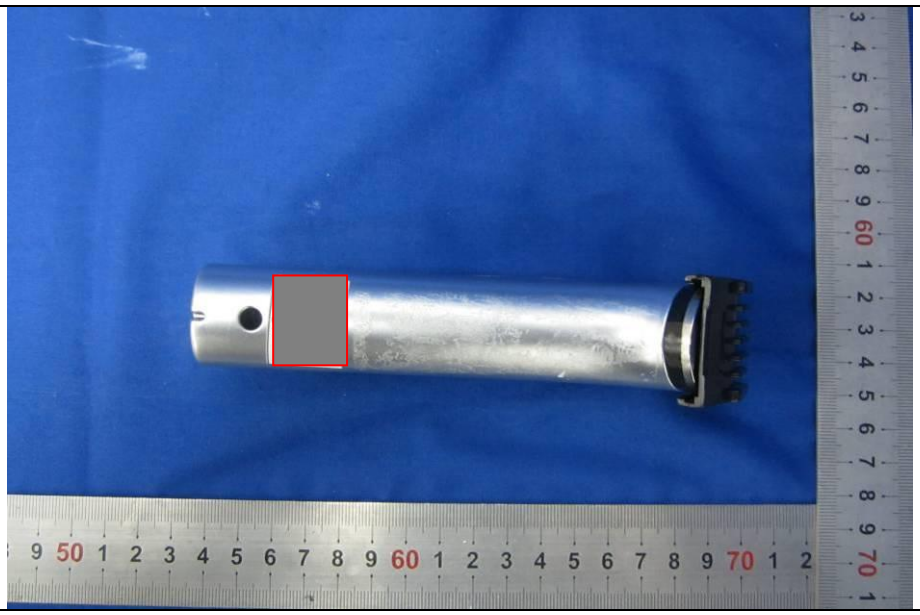

Details of: 809

View:

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Details of: 809

View:

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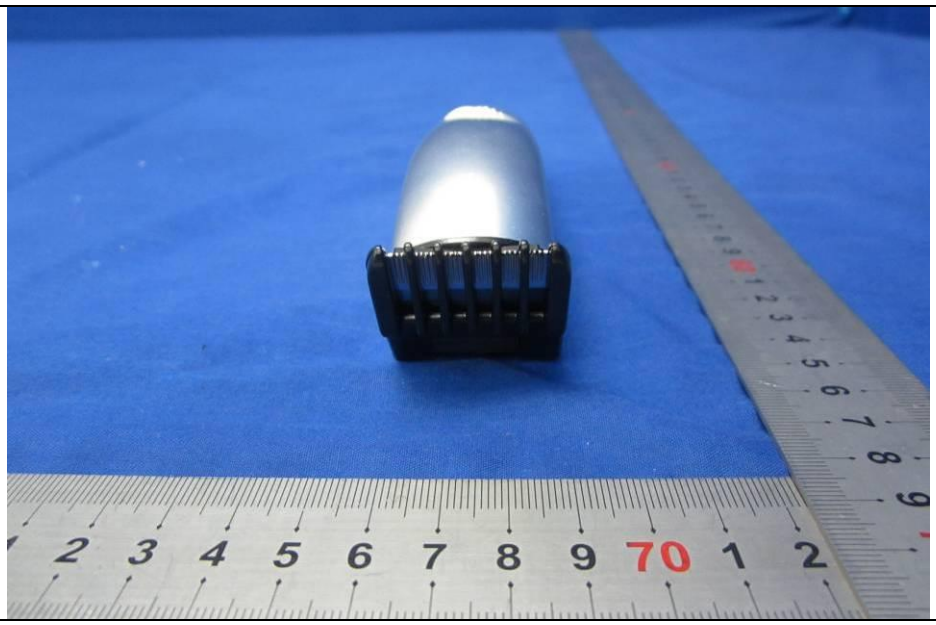

Details of: 809

View:

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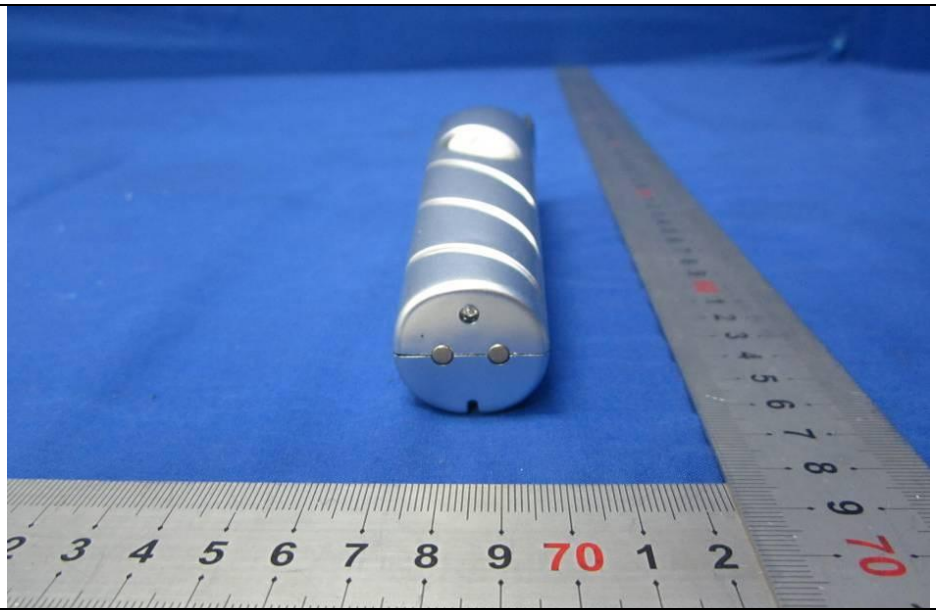

Details of: Open view of 809

View:

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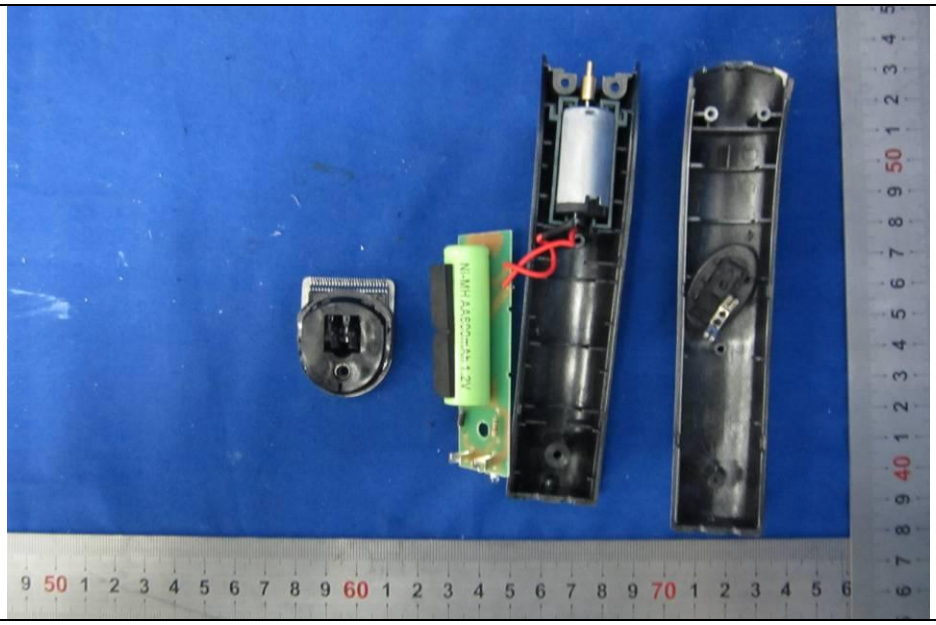

Details of: Open view of 809

View:

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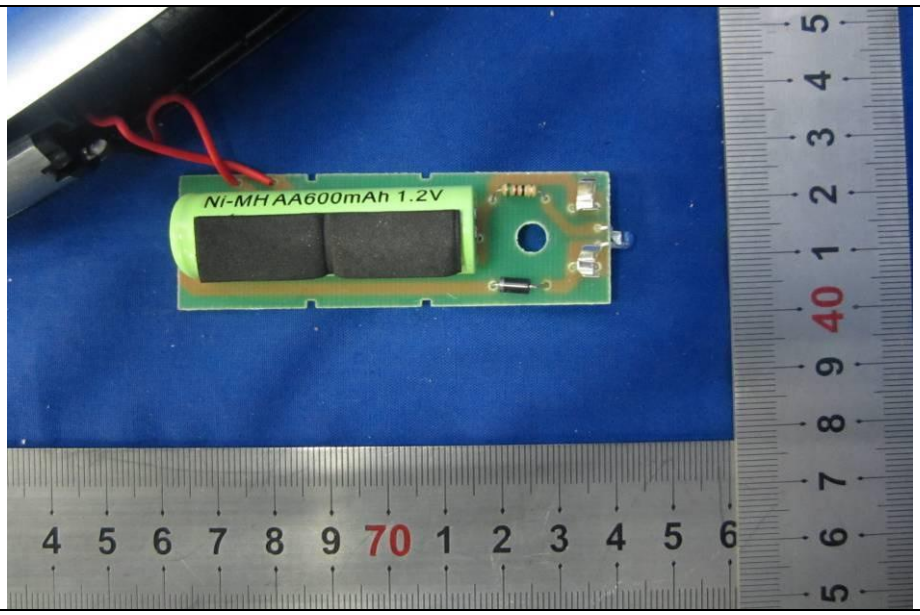

Details of: Open view of 809

View:

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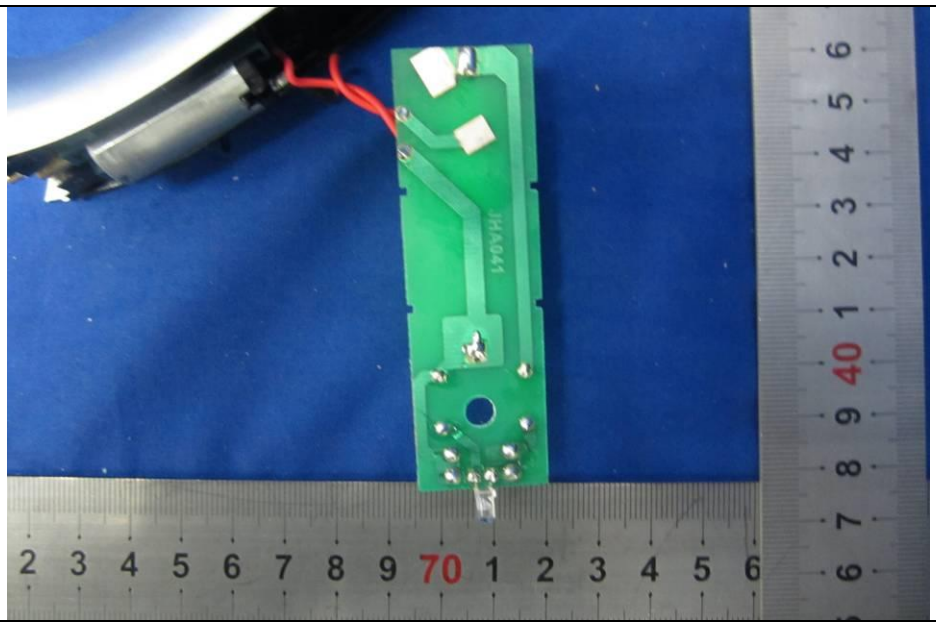

Details of: 908

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Details of: 908

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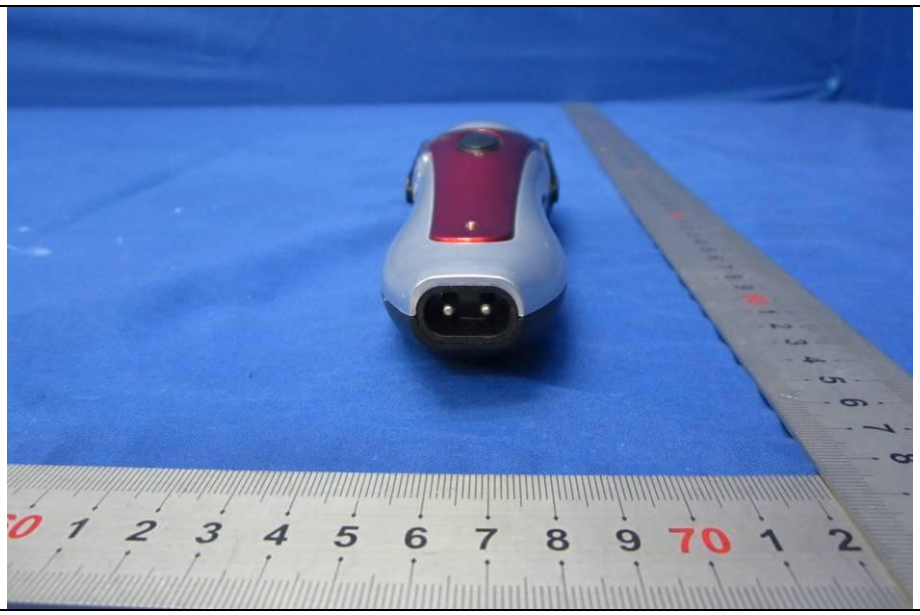

Details of: Open view of 908

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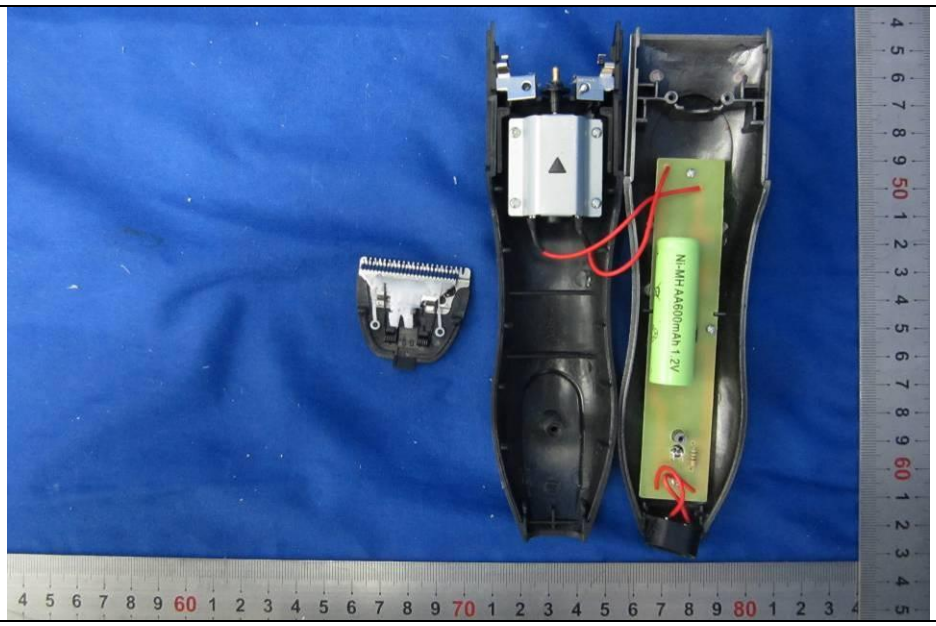

Details of: Open view of 908

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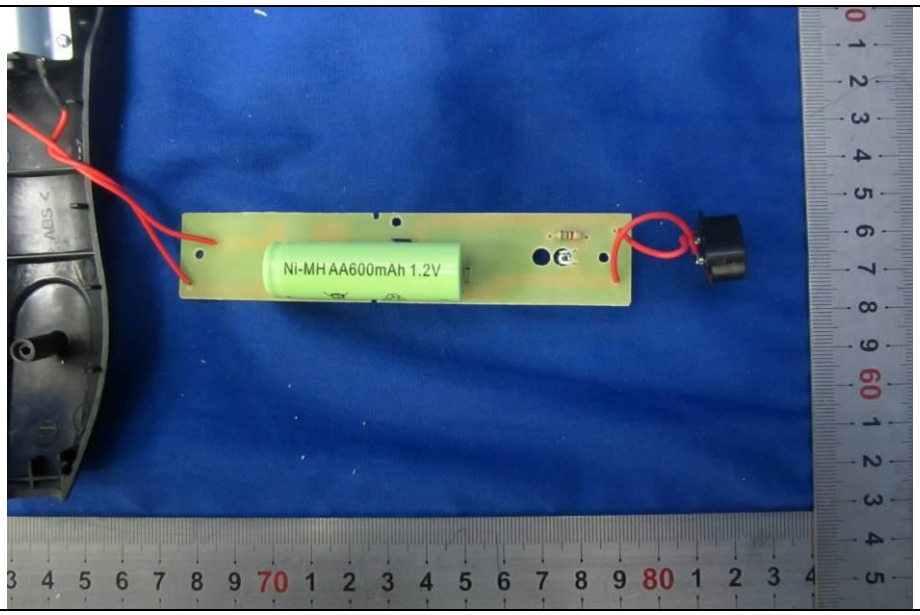

Details of: Open view of 908

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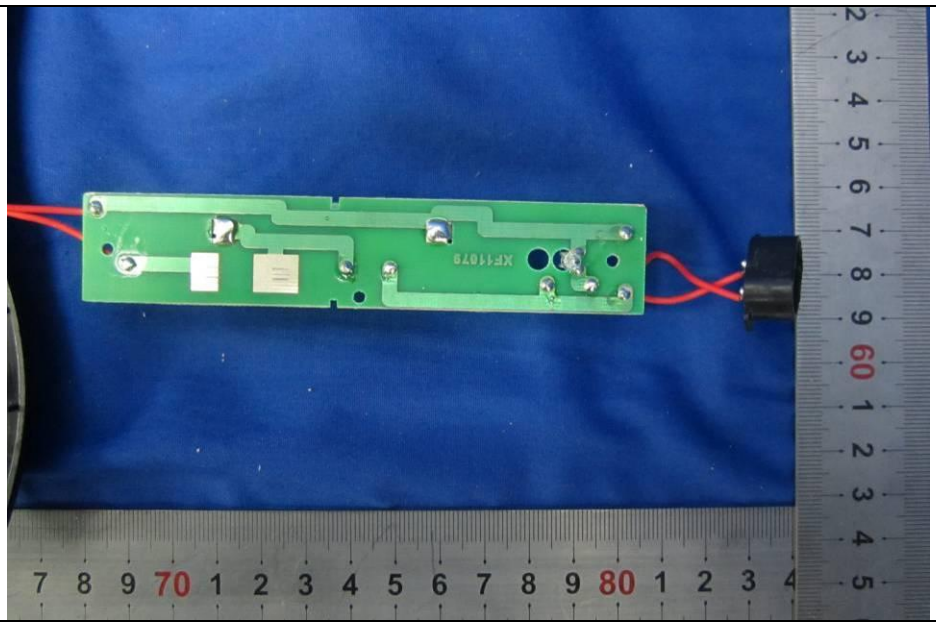

Details of: 989

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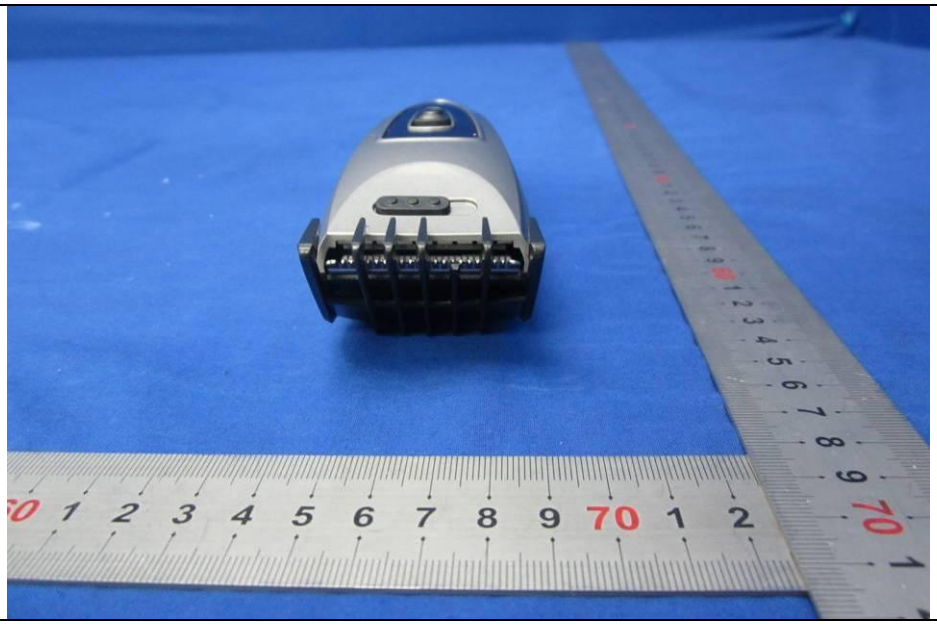

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Details of: Open view of 989

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Details of: Battery of 989, 609

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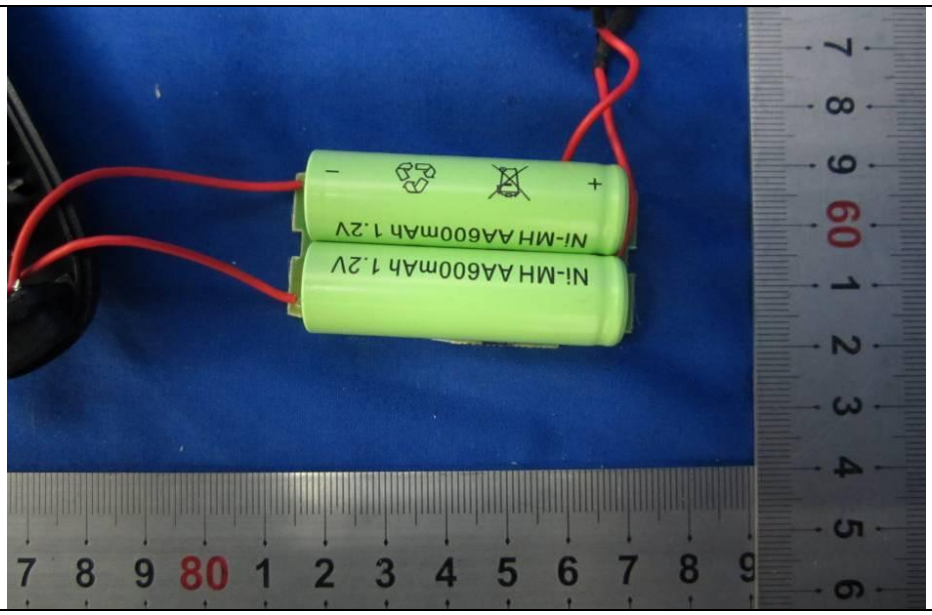

Details of: Open view of 989

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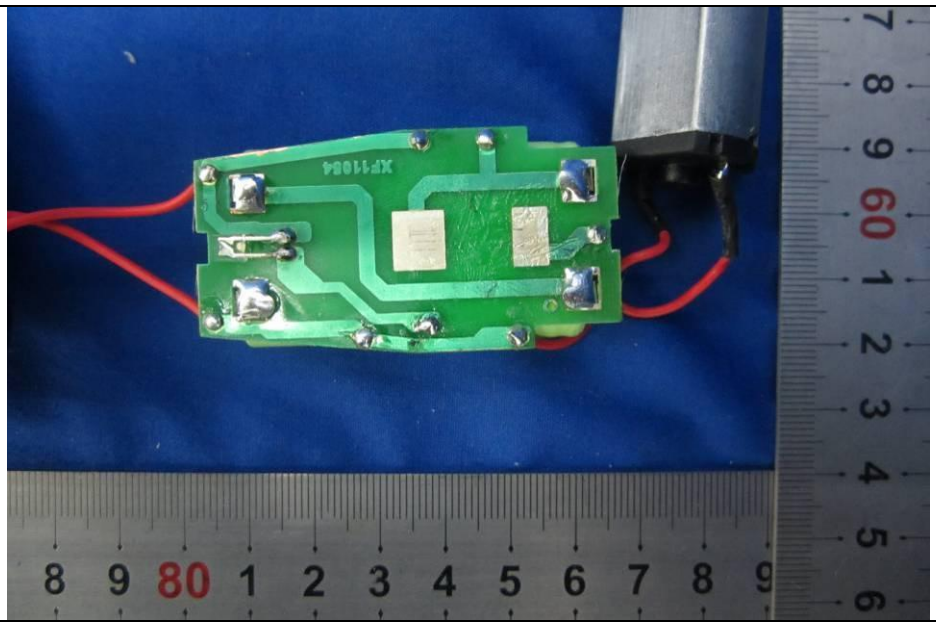

Details of: Motor of 989, 609

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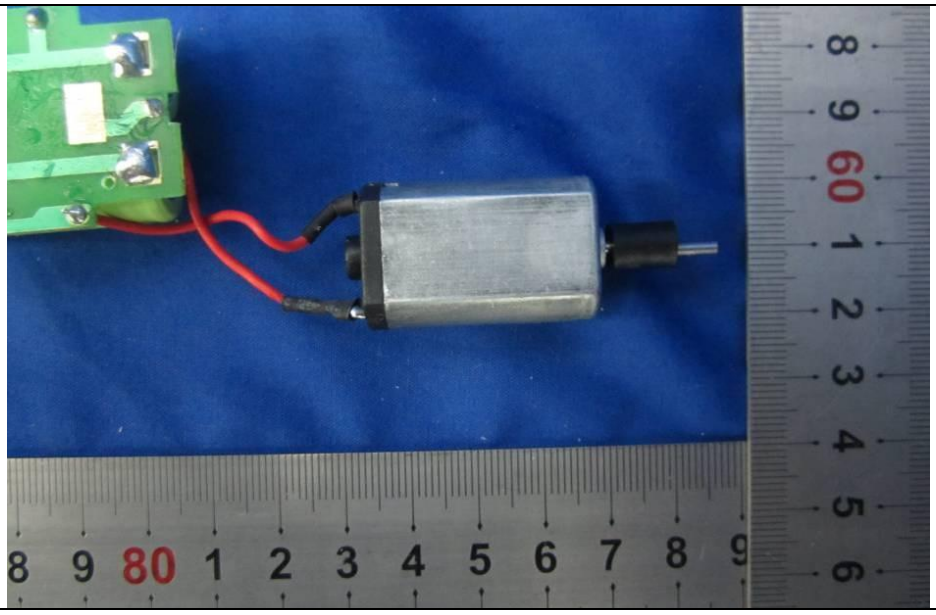

Details of: 2200

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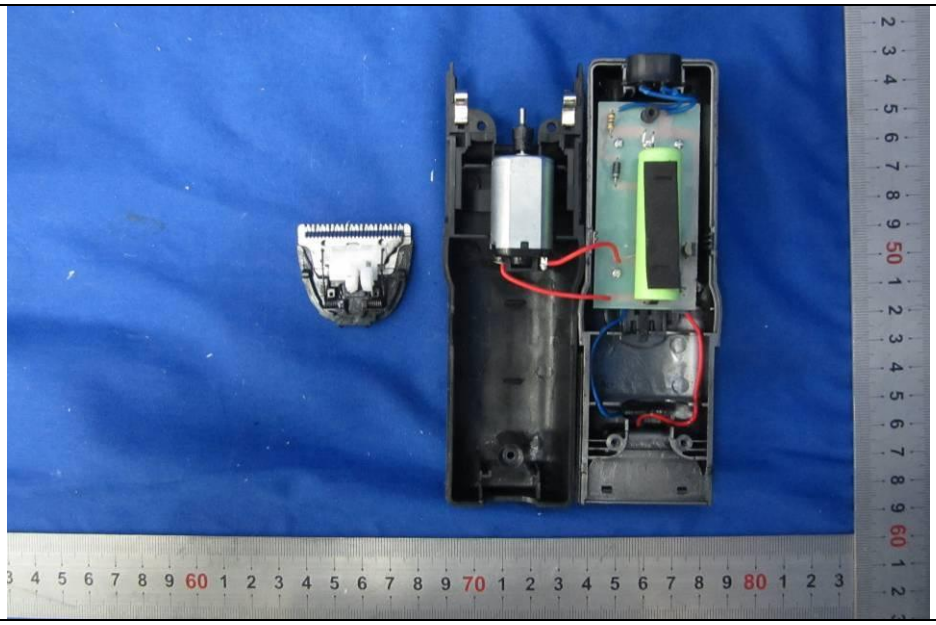

Details of: Open view of 2200

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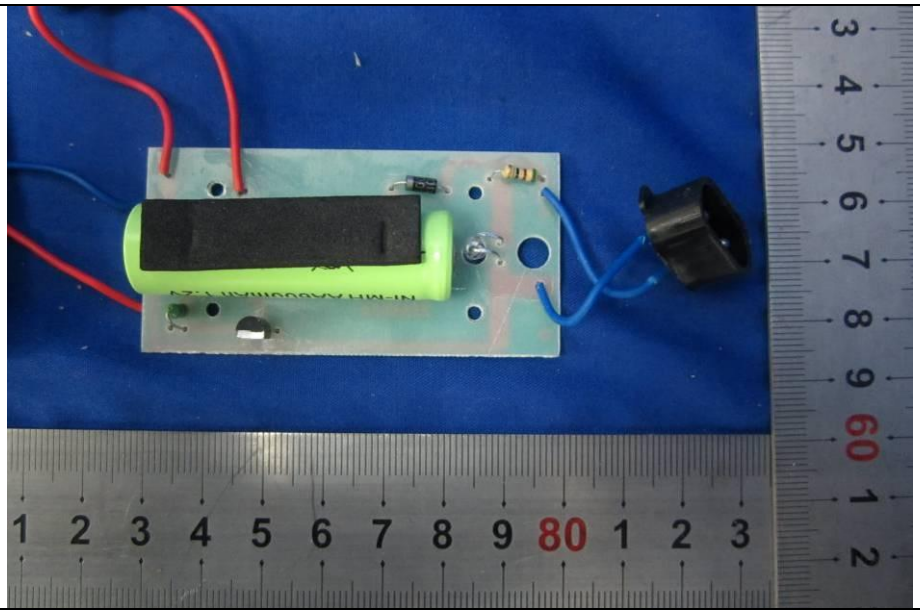

Details of: Open view of 2200

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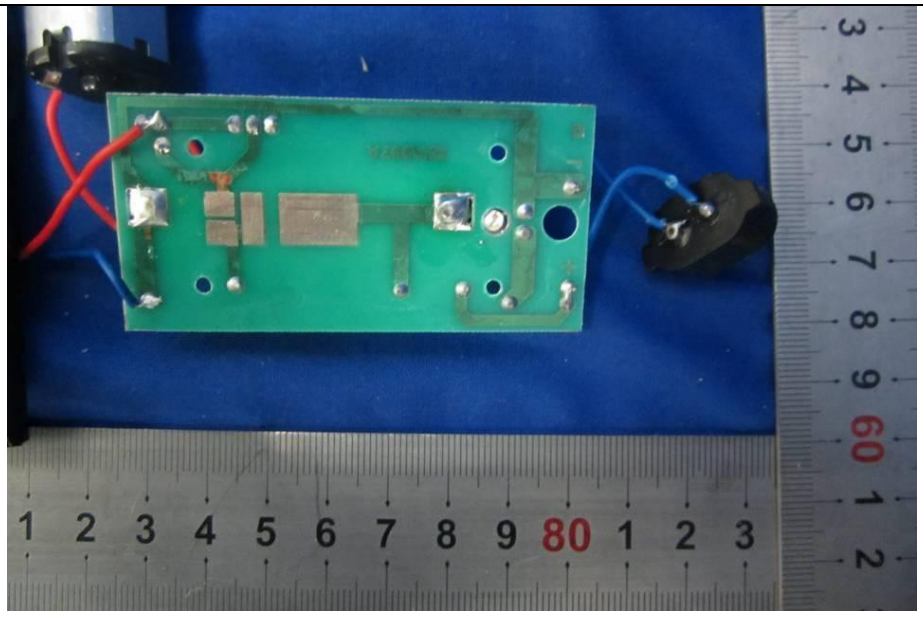

Details of: Charging base for 606 and 607

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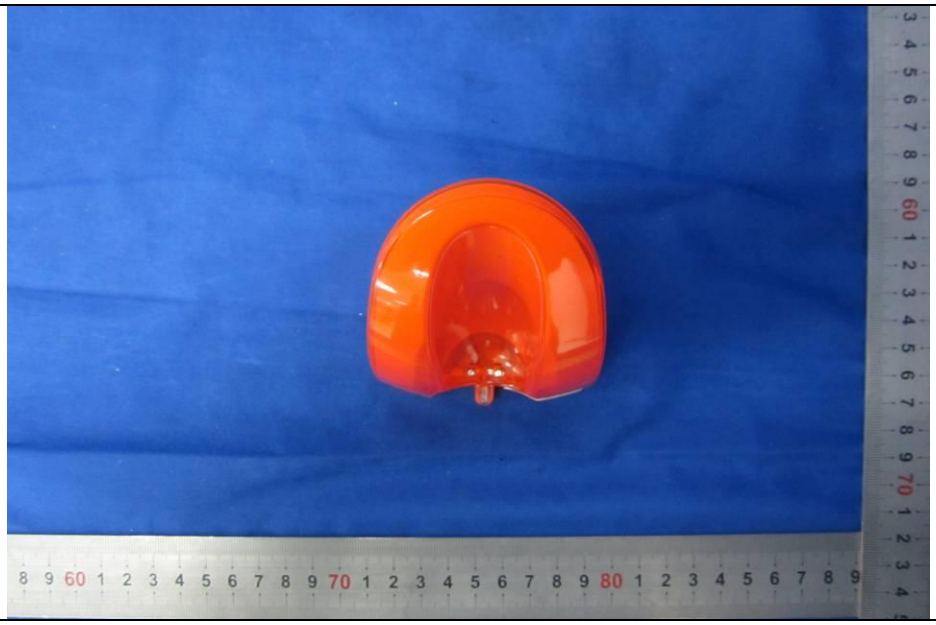

Details of: Charging base for 606 and 607

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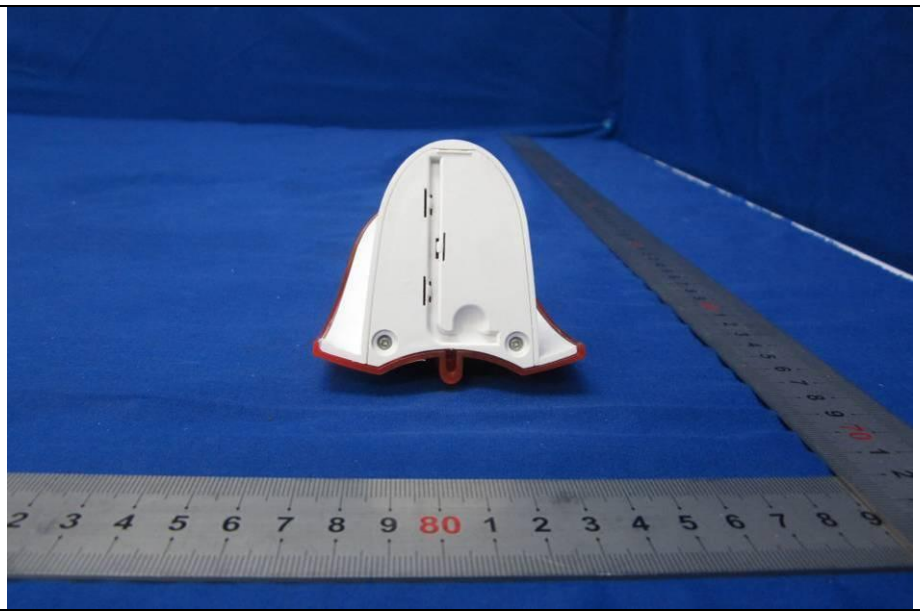

Details of: Charging base for 606 and 607

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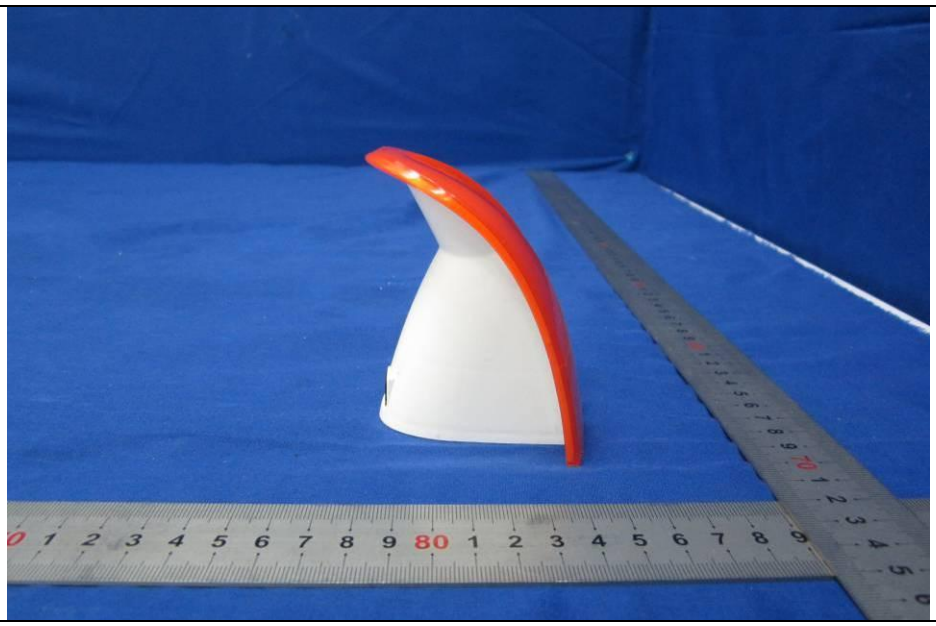

Details of: Charging base for 606 and 607

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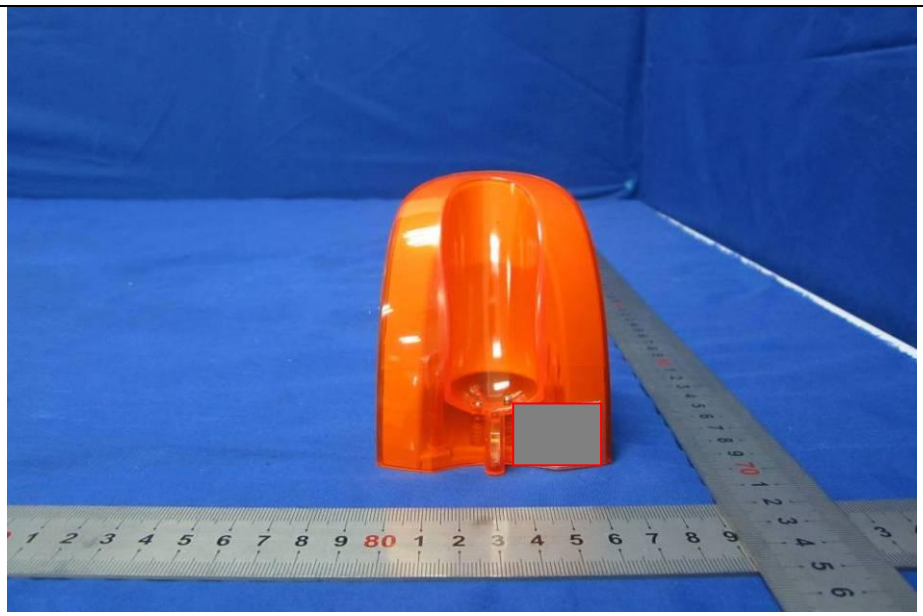

Details of: Charging base for 606 and 607

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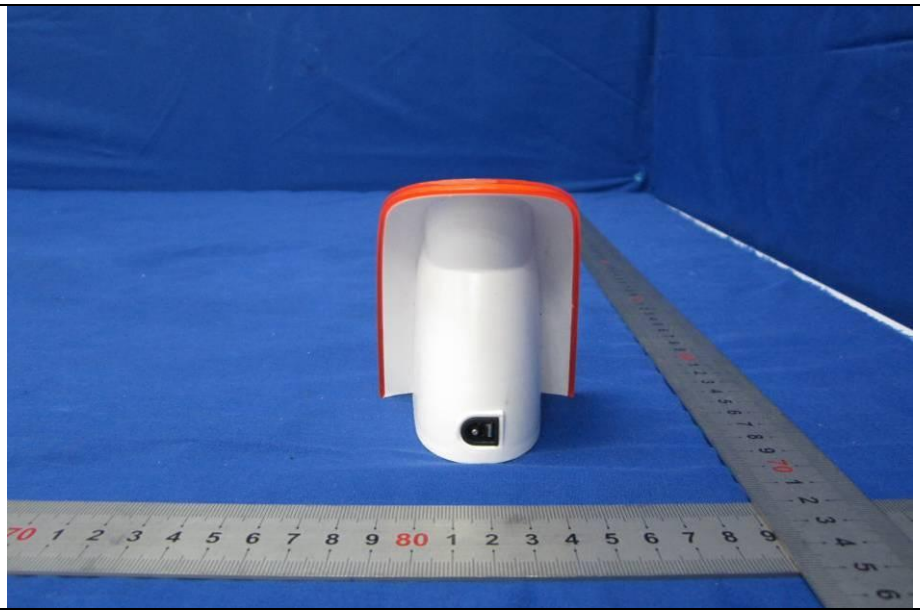

Details of: Open view of charging base for 606 and 607

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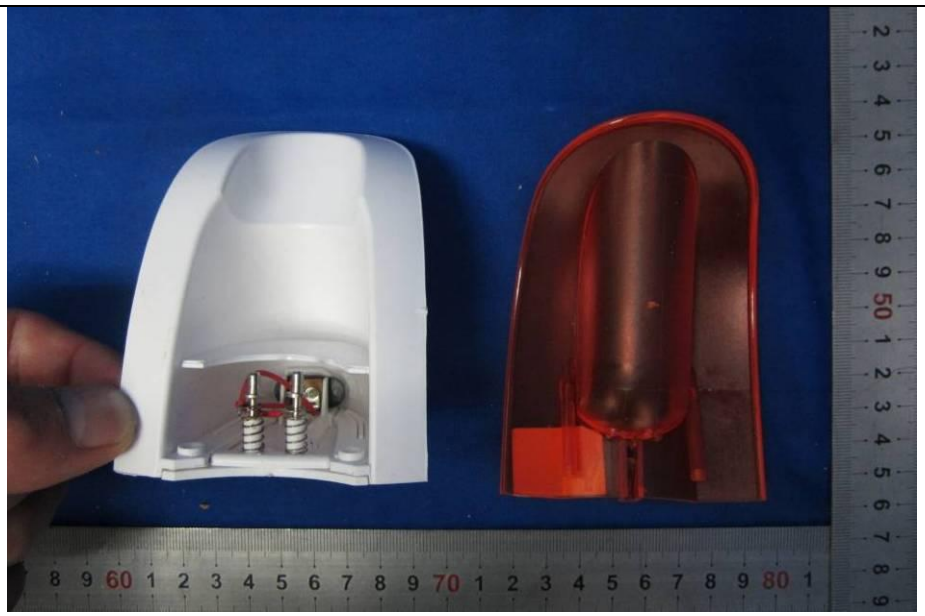

Details of: Open view of charging base for 606 and 607

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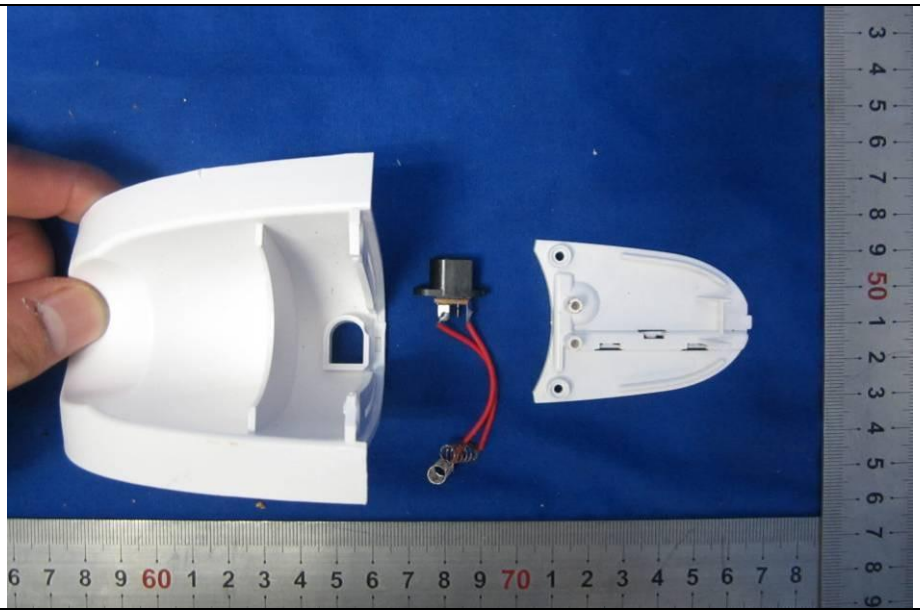

Details of: Charging base for 608

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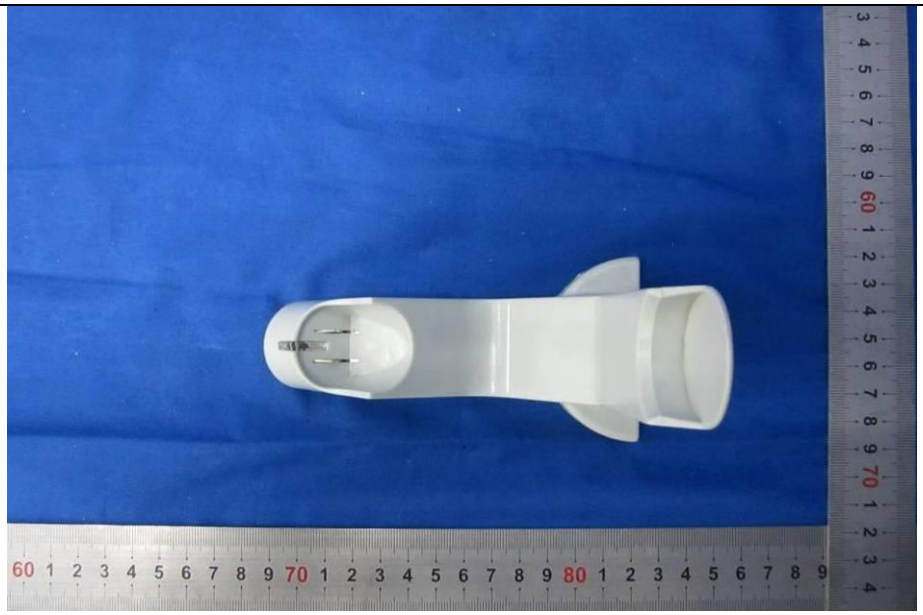

Details of: Charging base for 608

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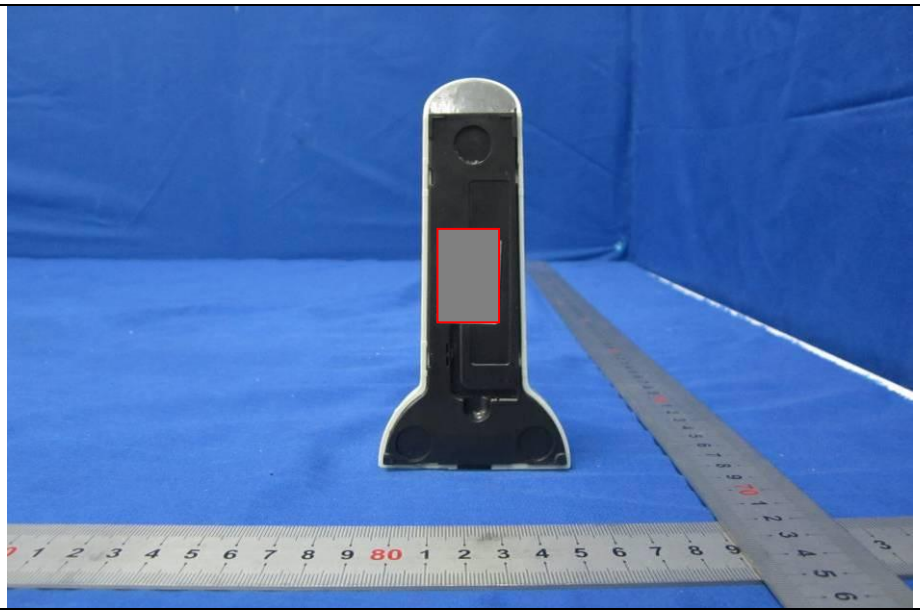

Details of: Charging base for 608

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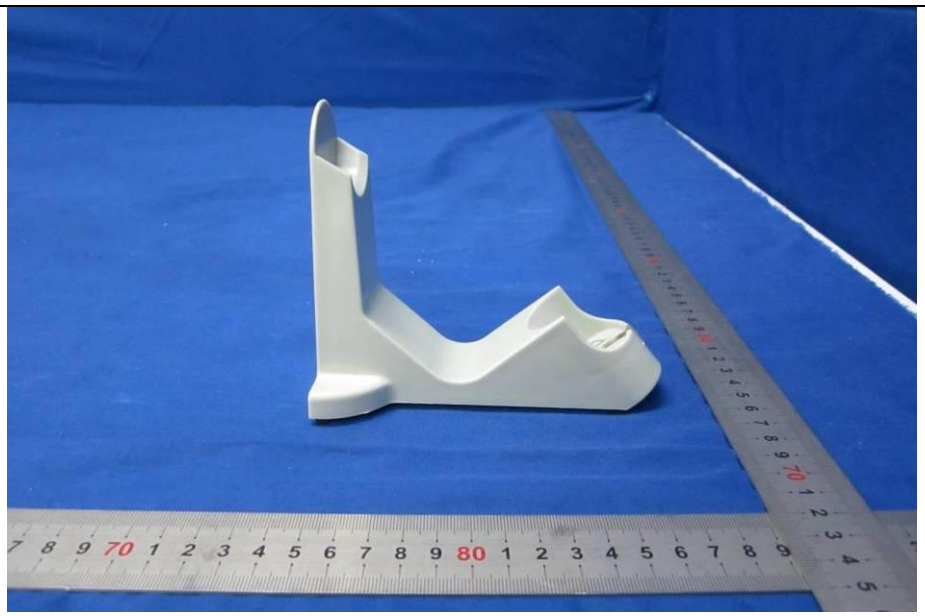

Details of: Charging base for 608

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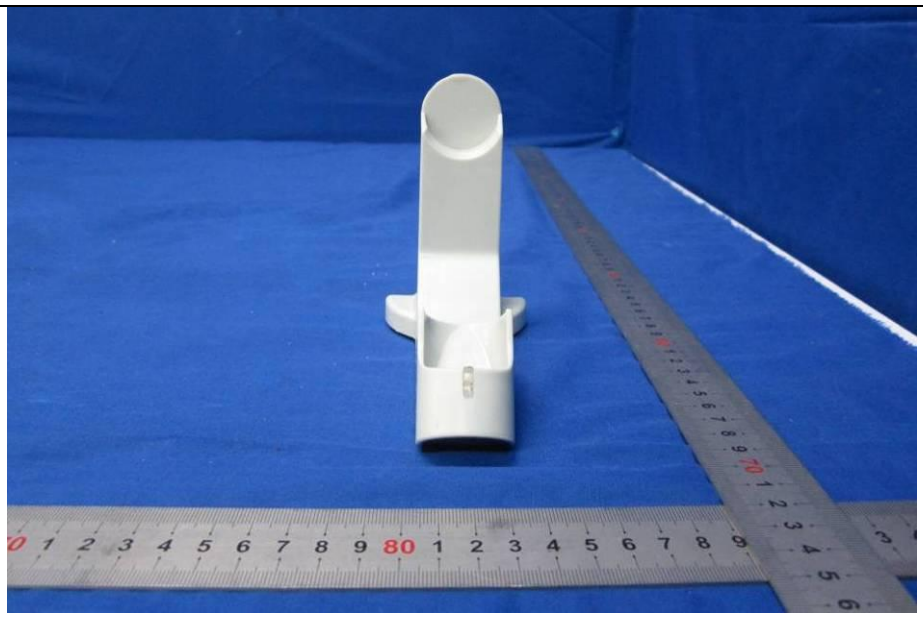

Details of: Charging base for 608

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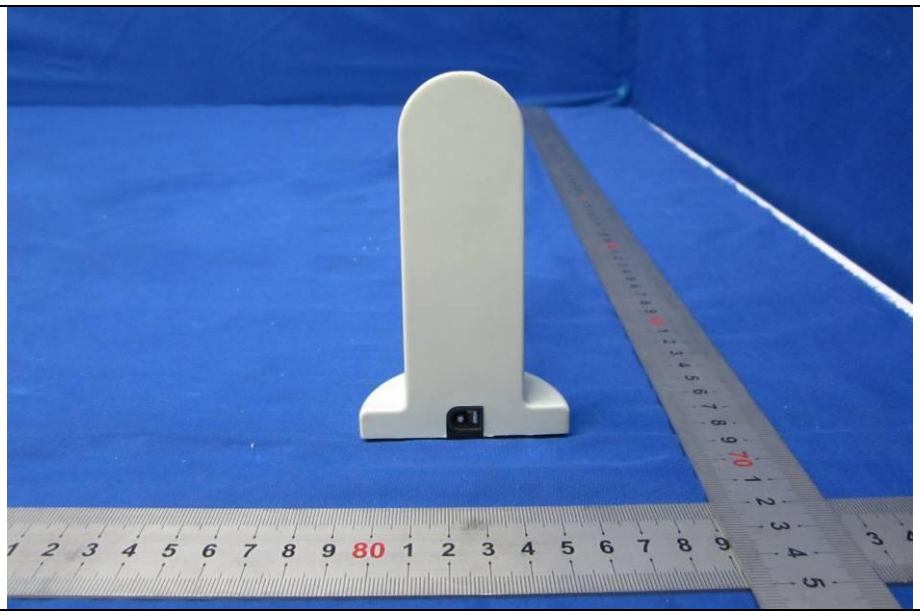

Details of: Open view of charging base for 608

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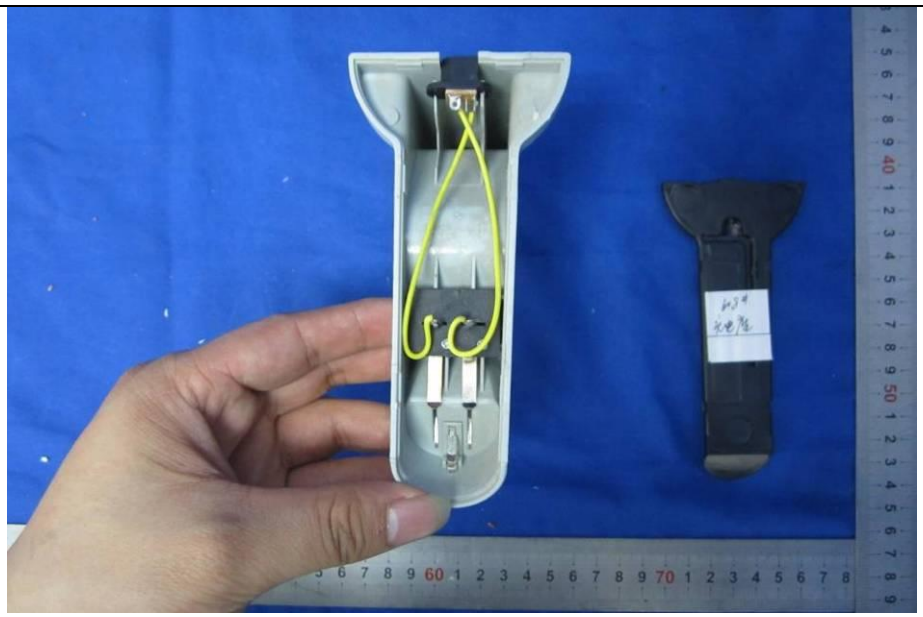

Details of: Open view of charging base for 608

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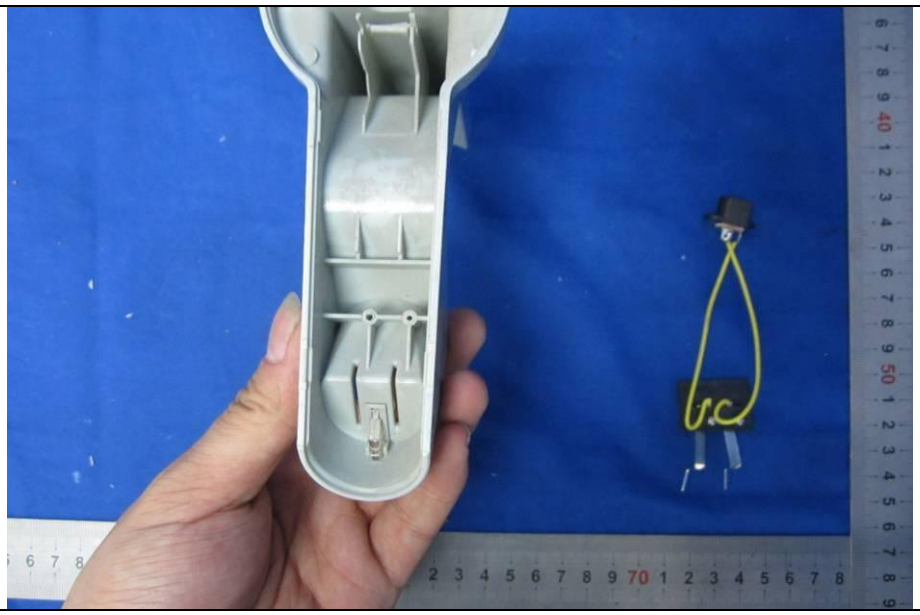

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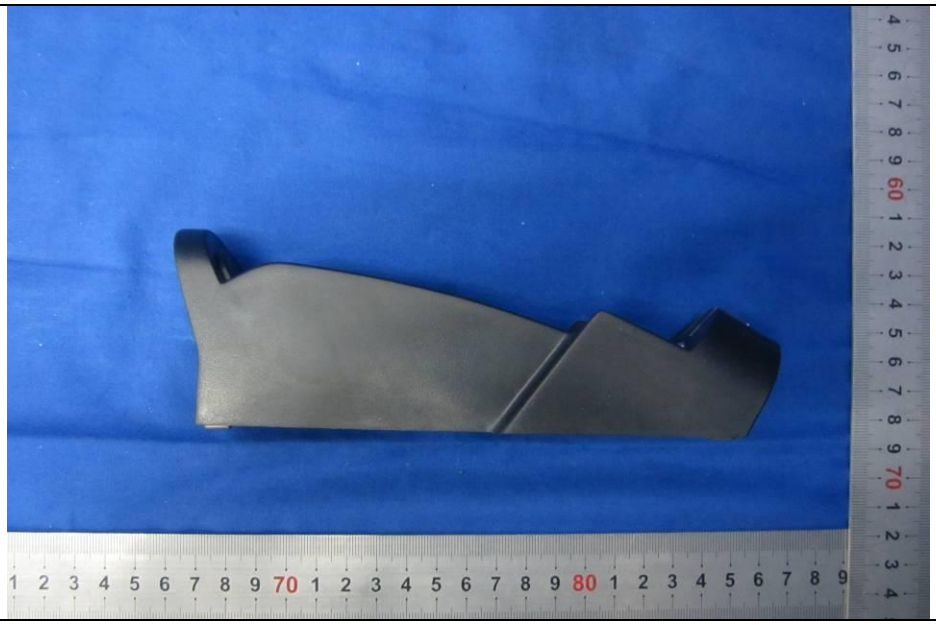

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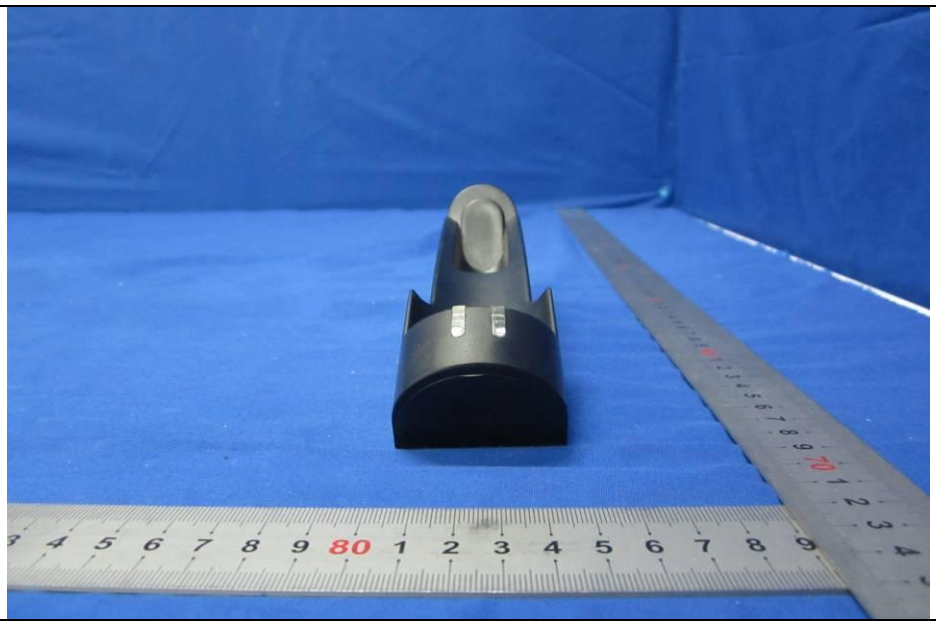

Details of: Charging base for 609

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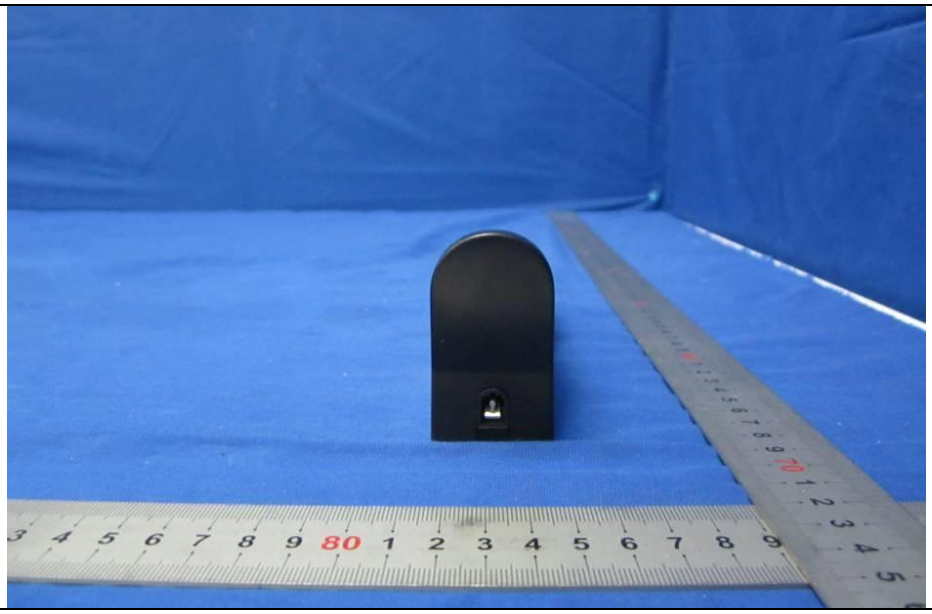

Details of: Open view of charging base for 609

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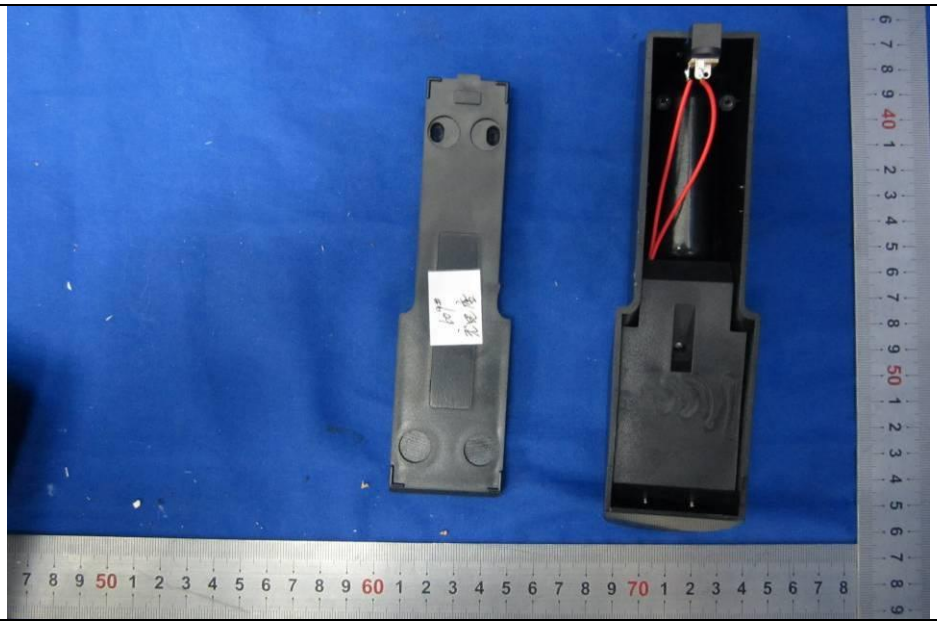

Details of: Open view of charging base for 609

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Details of: Charging base for 809

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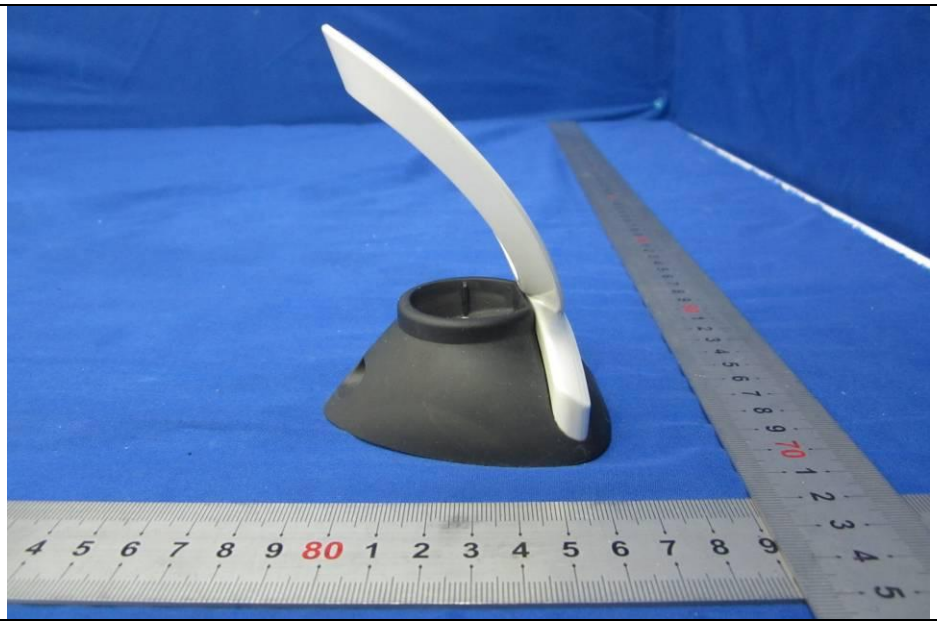

Details of: Charging base for 809

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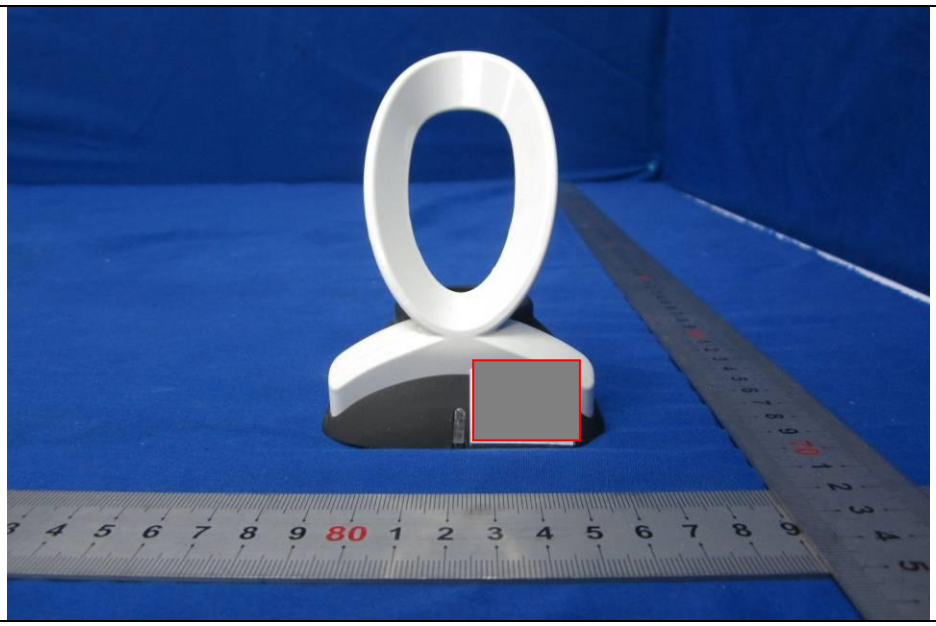

Details of: Charging base for 809

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Details of: Open view of charging base for 809

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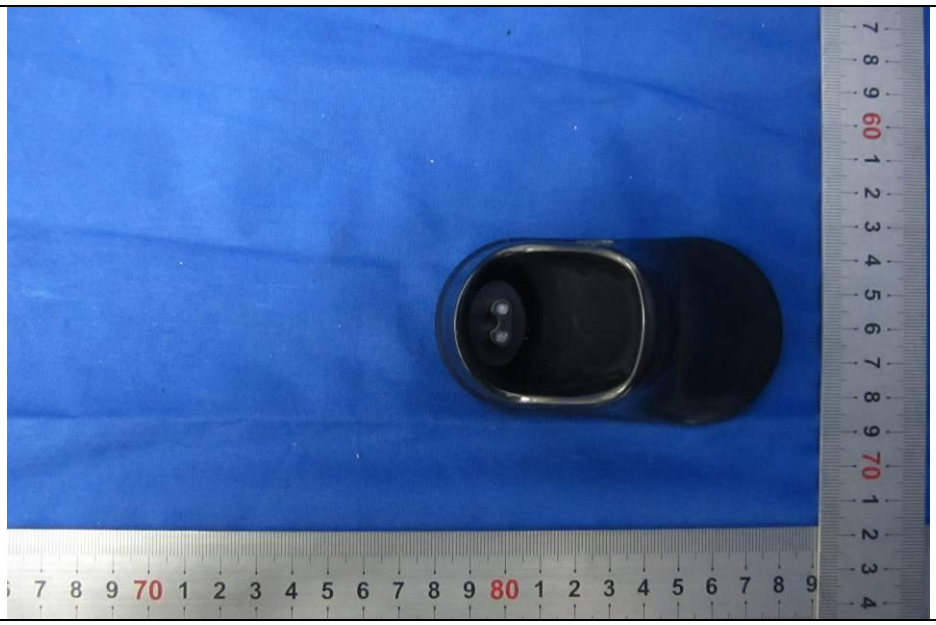

Details of: Charging base for 908

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Details of: Charging base for 908

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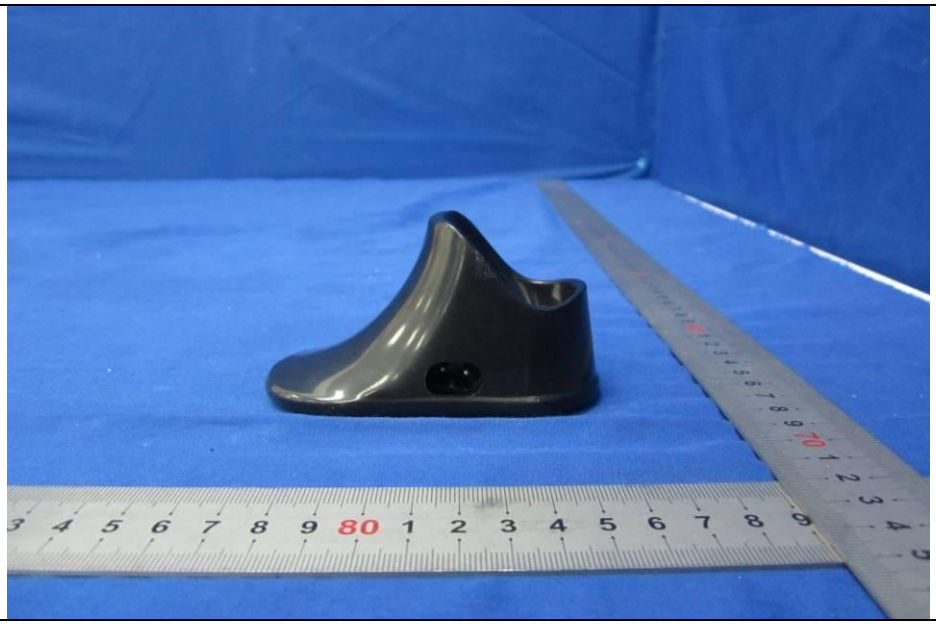

Details of: Charging base for 908

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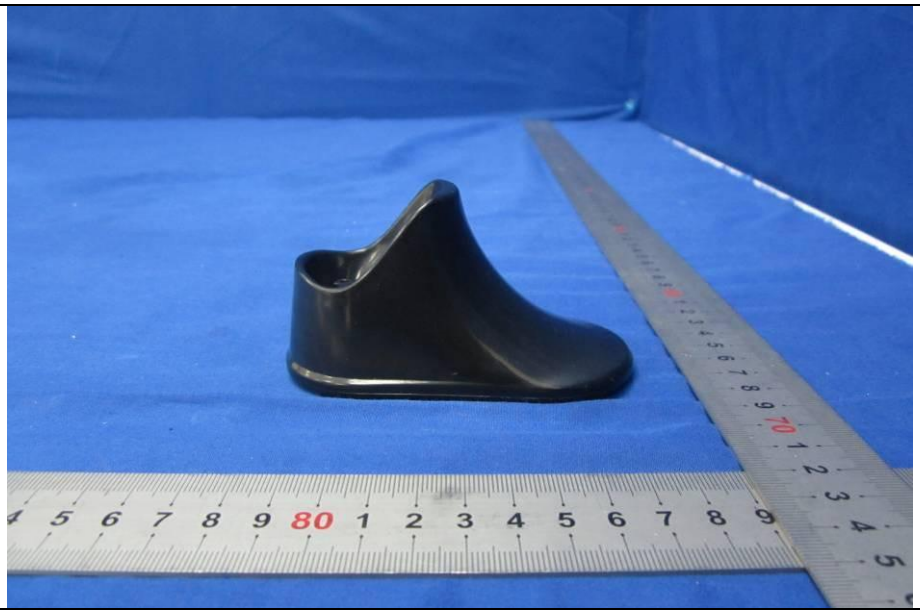

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Details of: Charging base for 908

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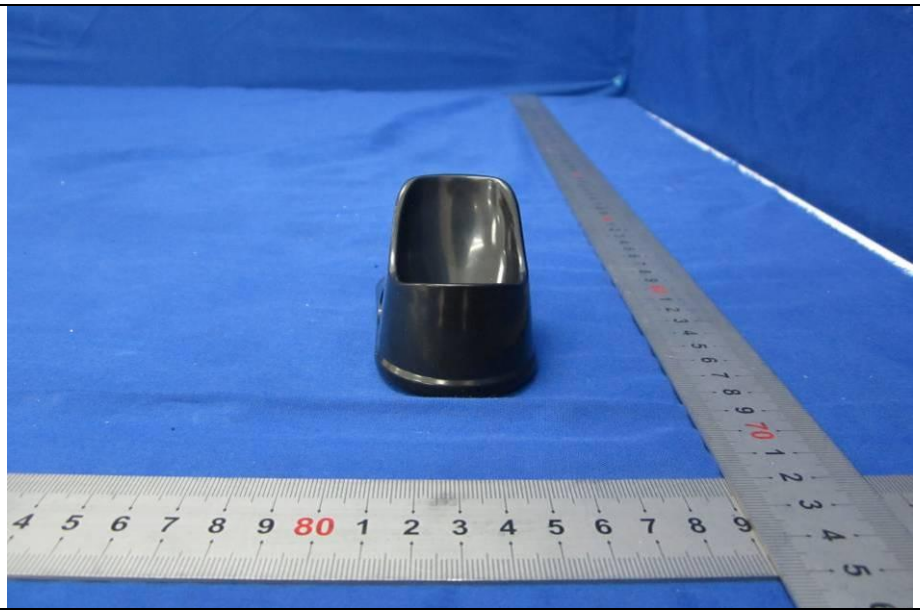

Details of: Open view of charging base for 908

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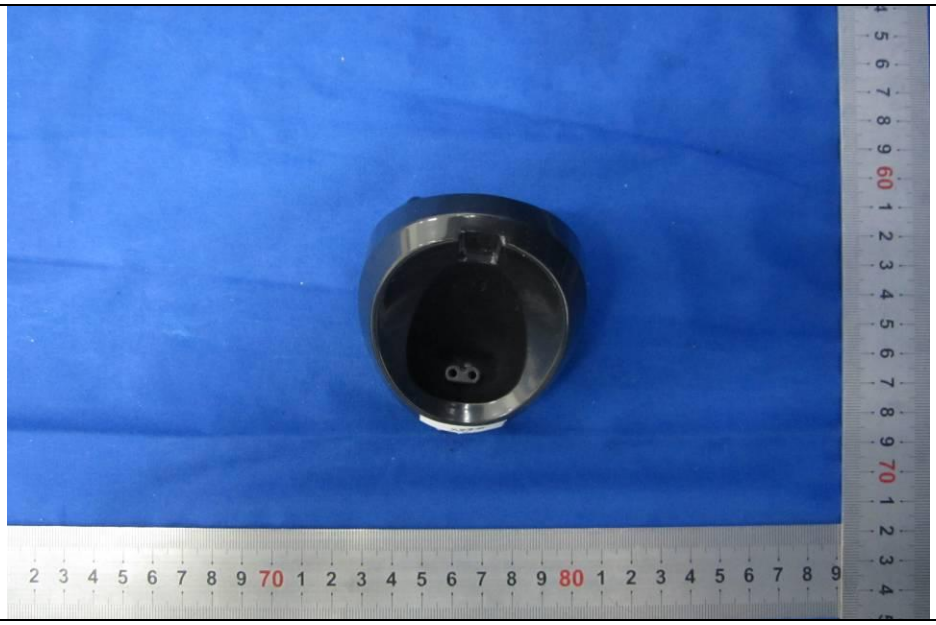

Details of: Charging base for 989

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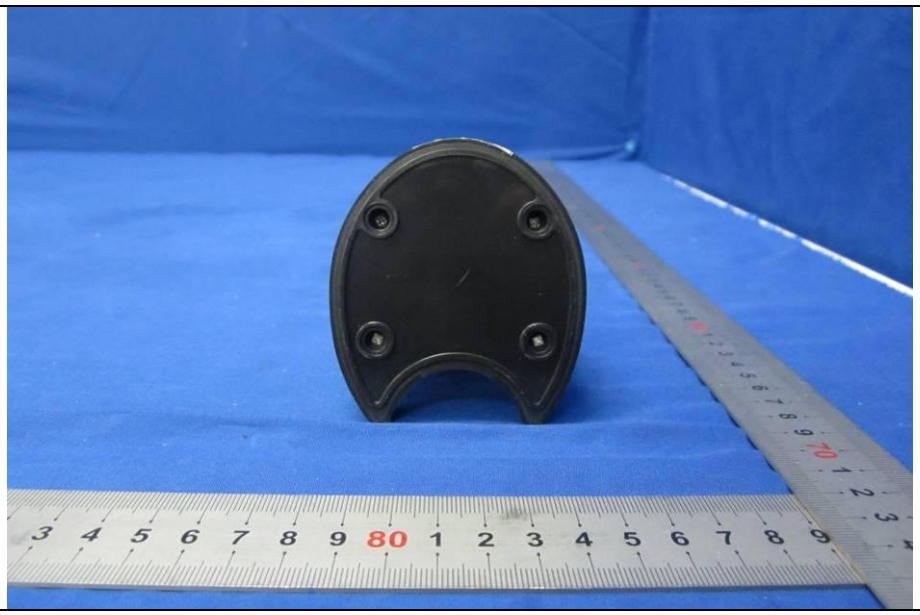

Details of: Charging base for 989

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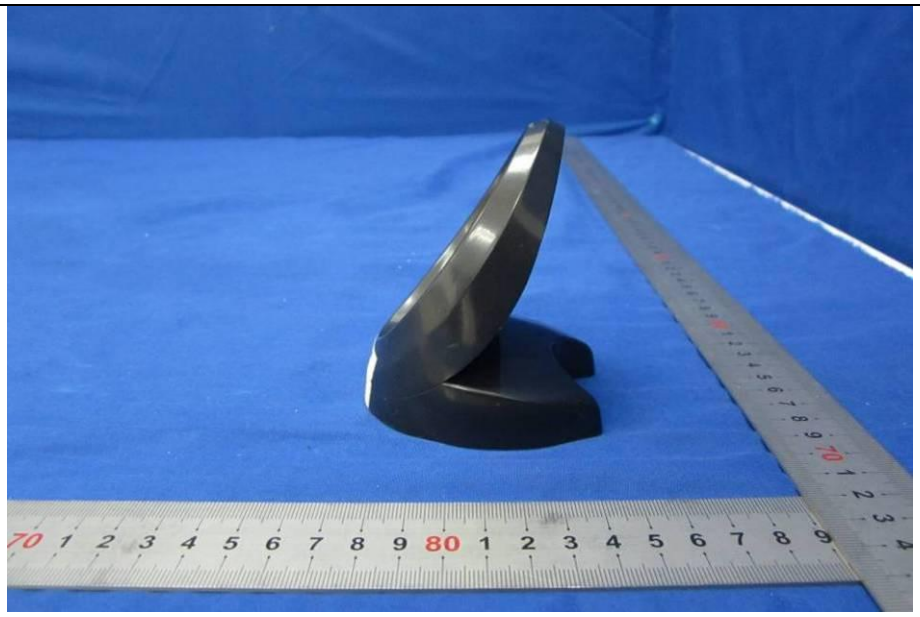

Details of: Charging base for 989

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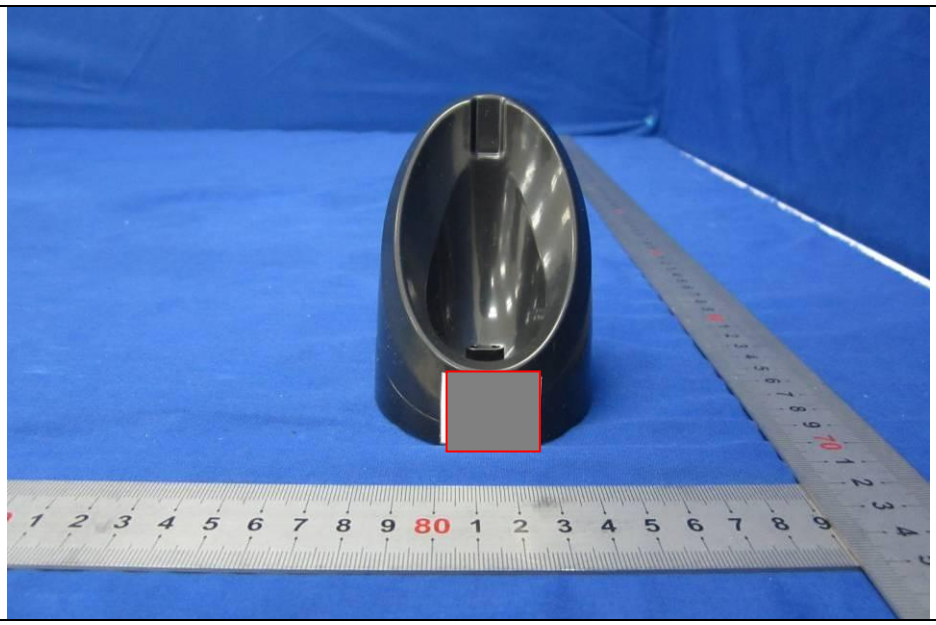
[ ] right

[ ] left

[ ] top

[ ] bottom



Details of: Charging base for 989

View:

[ ] general

[ ] front

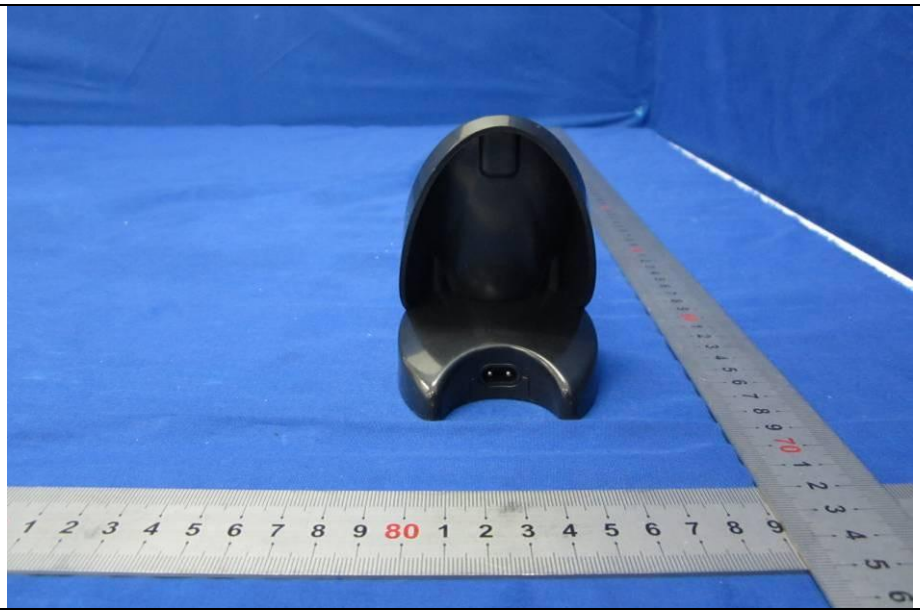
[X] rear

[ ] right

[ ] left

[ ] top

[ ] bottom



Details of: Open view of charging base for 989

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Adaptor

View:

[ ] general

[ ] front

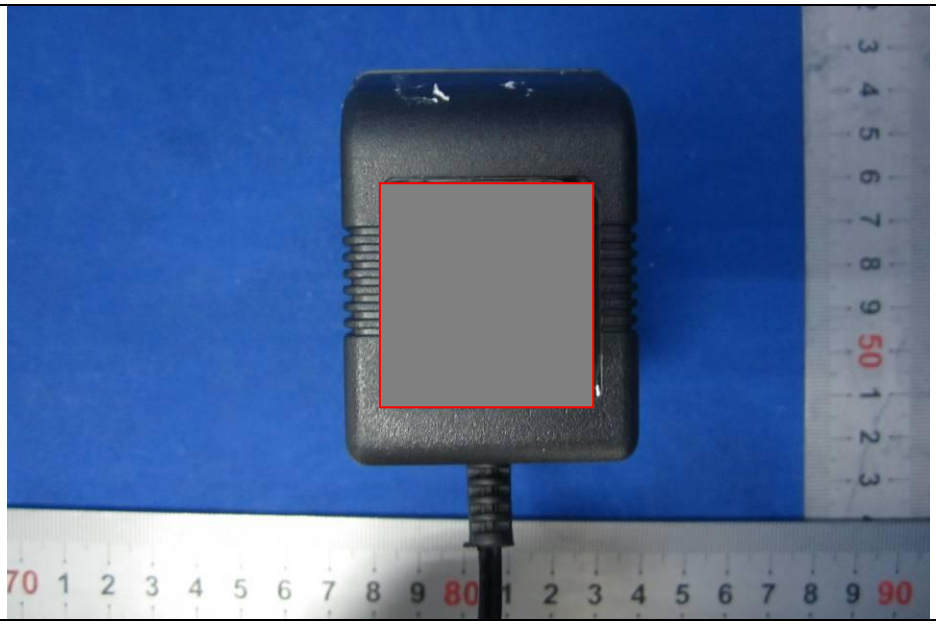
[ ] rear

[ ] right

[ ] left

[X] top

[ ] bottom



Details of: Adaptor

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[X] bottom

Details of: Adaptor

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[X] left

[ ] top

[ ] bottom

Details of: Adaptor

View:

[ ] general

[X] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Adaptor

View:

[ ] general

[ ] front

[X] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Connector of adaptor for 009, 2200, 908, 989

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Connector of adaptor for 009, 2200, 908, 989

View:

[ ] general

[ ] front

[X] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Connector of adaptor for 009, 2200, 908, 989

View:

[ ] general

[ ] front

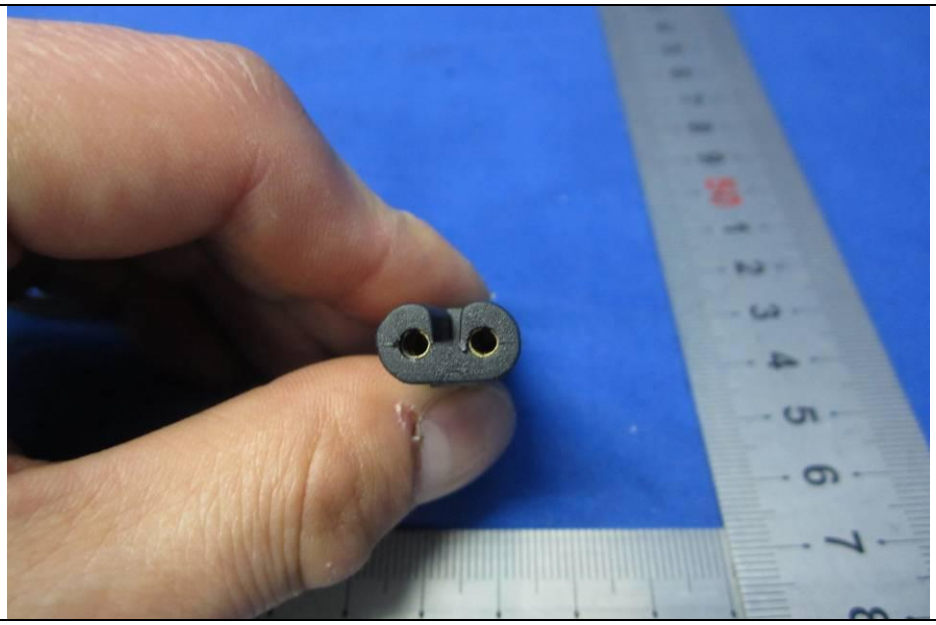
[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom



Details of: Connector of adaptor for 809, 989

View:

[ ] general

[ ] front

[X] rear

[ ] right

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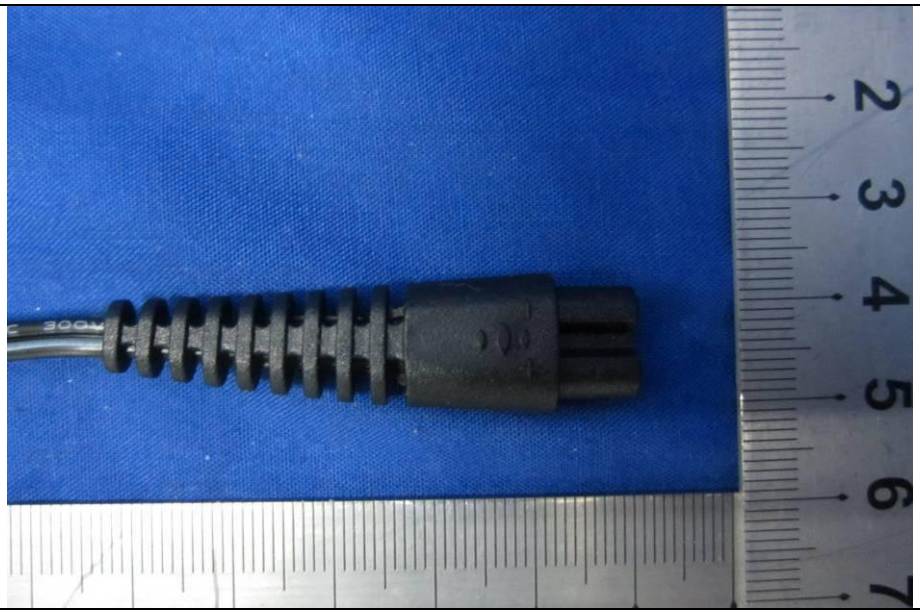
[ ] top

[ ] bottom



Details of: Connector of adaptor for 809, 989

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Connector of adaptor for 809, 989

View:

[ ] general

[ ] front

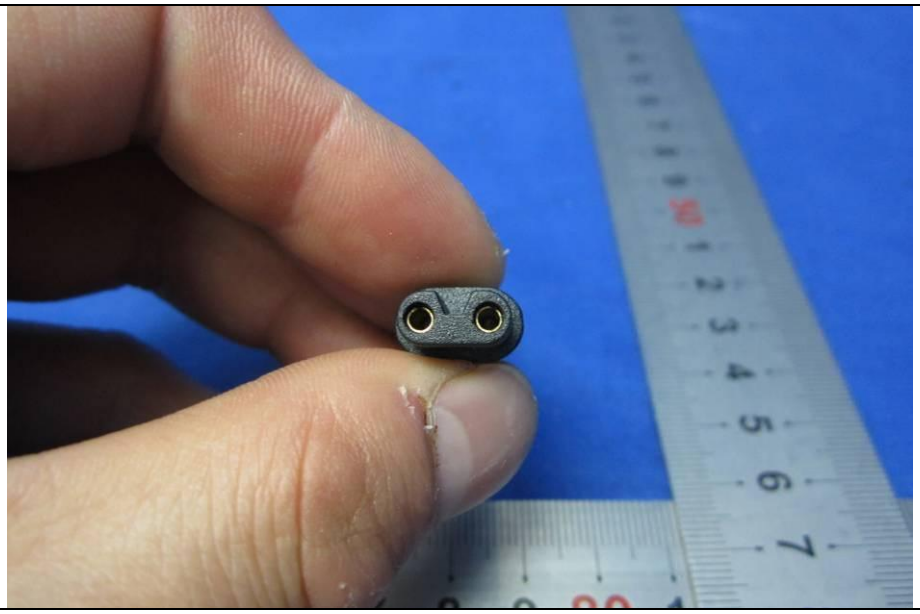
[X] rear

[ ] right

[ ] left

[ ] top

[ ] bottom



Details of: Connector of adaptor for 606, 607, 608, 609

View:

[ ] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Connector of adaptor for 606, 607, 608, 609

View:

[ ] general

[ ] front

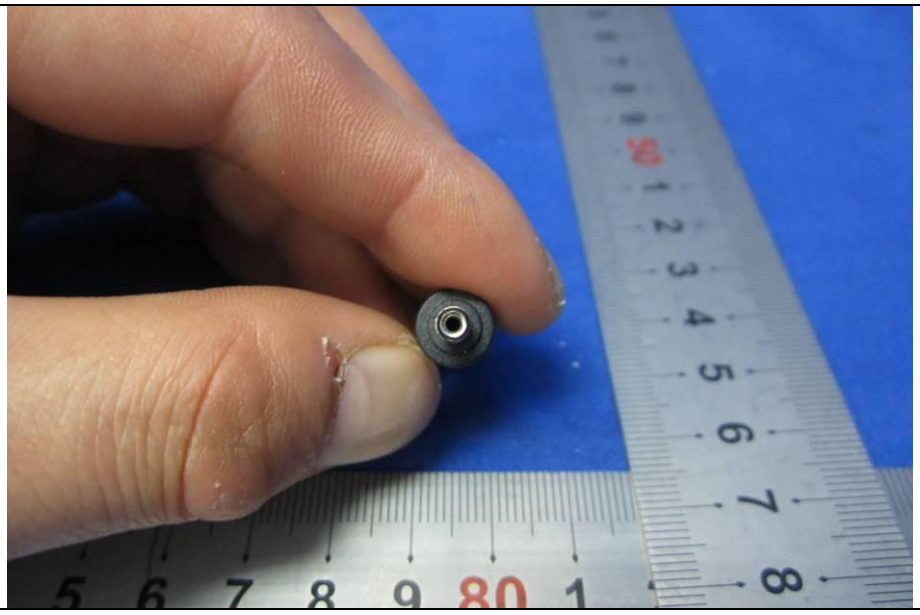
[X] rear

[ ] right

[ ] left

[ ] top

[ ] bottom



- - - End of Report - - -