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**STATISTICS ON CHINESE PATENT PUBLICATIONS**

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1. Weekly Report on General Status of Chinese Patent Application.....	3
1.1 Summary on Weekly Patent Publications .....	3
1.2 Weekly Report on Technology Status of Patent Publications .....	3
1.3. Weekly Report on Applicants.....	3
2. Weekly Report on Patent Application Status from Non-resident Applicants .....	4
2.1 Statistics on US Patent Applications .....	4
2.2 Statistics on JP Patent Applications .....	4
3. Statistics on Patent Publications in the Auto Industry.....	5
3.1. Total Amount Statistics .....	5
3.2 Type Statistics .....	5
3.3 Statistics on Resident and Non-resident Patent Publications .....	5
3.4 Statistics on Applicants .....	6
4. Statistics on Patent Publications in the Steel Industry .....	7
4.1 Total Amount Statistics .....	7
4.2 Type Statistics .....	7
4.3 Statistics on Resident and Non-resident Patent Publications .....	8
4.4 Statistics on Applicants .....	9
5. Statistics on Patent Publications in the Nonferrous Metal Industry .....	10
5.1 Total Amount Statistics .....	10
5.2 Type Statistics .....	10
5. 3 Statistics on Resident and Non-resident Patent Publications .....	10
5.4 Statistics on Applicants .....	12
6. Statistics on Patent Publications in the Petrochemical Industry.....	12
6.1 Total Amount Statistics .....	12
6.2 Type Statistics .....	13
6.3 Statistics on Resident and Non-resident Patent Publications .....	13
6.4 Statistics on Applicants .....	14
7. Statistics on Patent Publications in the Electronic Information Industry .....	15
7.1 Total Amount Statistics .....	15
7.2 Type Statistics .....	15
7.3 Statistics on Resident and Non-resident Patent Publications .....	15
7.4 Statistics on Applicants .....	17
8. Statistics on Patent Publications in the Textile Industry .....	17
8.1 Total Amount Statistics .....	17
8.2 Type Statistics .....	18
8.3 Statistics on Resident and Non-resident Patent Publications .....	18
8.4 Statistics on Applicants .....	19

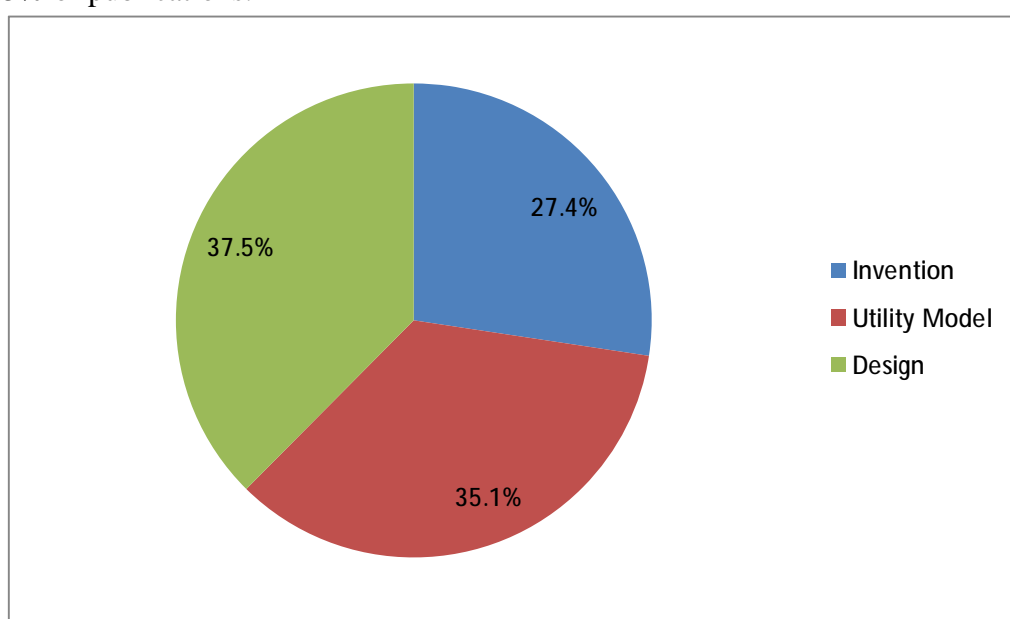
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## 1. Weekly Report on General Status of Chinese Patent Application

24,976 Chinese patents are published in this week, including 6,839 invention patents, 8,759 utility models and 9,378 designs, respectively accounting for 27.4%, 35.1% and 37.5% of publications.

### 1.1 Summary on Weekly Patent Publications

24,976 Chinese patents are published in this week, including 6,839 invention patents, 8,759 utility models and 9,378 designs, respectively accounting for 27.4%, 35.1% and 37.5% of publications.



### 1.2 Weekly Report on Technology Status of Patent Publications

China's top seven patent publication rankings: steel (7,249 patent publications), electronic information (3,954 patent publications), textile (1,908 patent publications), nonferrous metal (1,160 patent publications), automobile (1,012 patent publications), petroleum chemical industry (255 patent publications) and shipbuilding (74 patent publications).

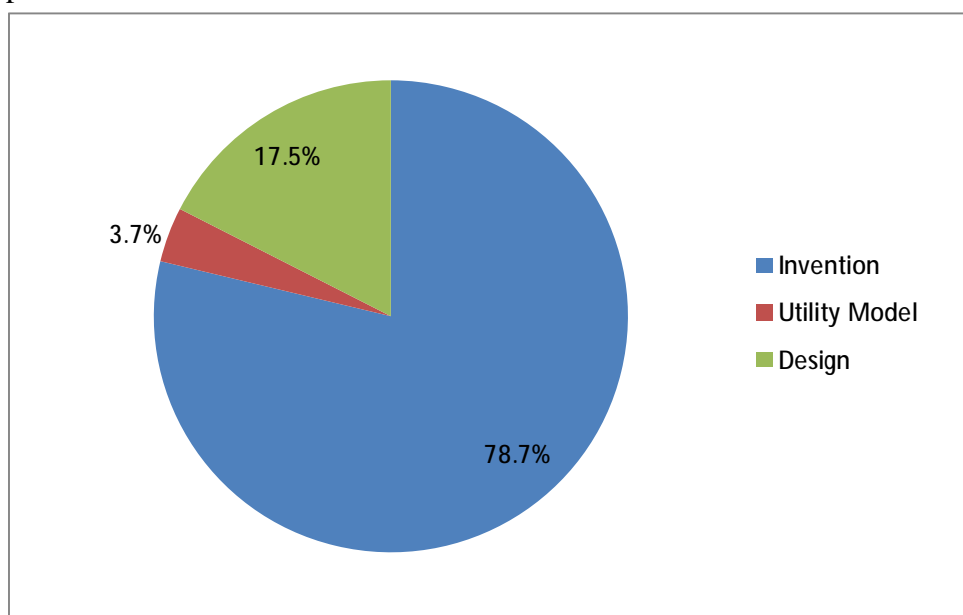
### 1.3. Weekly Report on Applicants

23,268 Chinese patents are disclosed this week, which accounts for 93.2% of total publications. Foreign applications take 6.8% of total publications, generally from Japan (486 patents, accounting for 1.9%), the USA (470 patents, accounting for 1.9%), and Germany (180 patents, accounting for 0.7%). 572 patents are from other countries, accounting for 2.3%.

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## 2. Weekly Report on Patent Application Status from Non-resident Applicants

1,708 patents are submitted by foreigners, including 1,345 inventions, 64 utility models and 299 designs, which respectively accounts for 78.7%, 3.7% and 17.5% of total applications.



### 2.1 Statistics on US Patent Applications

470 US patent applications are published in China, including 390 inventions, 17 utility models, and 17 designs, respectively accounting for 83.0%, 3.6% and 13.4% of total publications.

US patent publications refer to the following fields: steel (146 patents), electronic information (135 patents), nonferrous metals (23 patents), automobile (18 patents), petrochemical industry (7 patents) and textiles (3 patents) and shipbuilding (1 patent publication).

### 2.2 Statistics on JP Patent Applications

486 JP patent applications are published in China, including 362 inventions, accounting for 74.5% of total publication; 23 utility models, accounting for 4.7% of total publication; and 101 designs, accounting for 20.8% of total publication.

JP patent publications refer to the following fields: electronic information (188 patents), steel (178 patents), automobile (35 patents), nonferrous metals (22 patents),

textiles (11 patents) and petrochemical industry (1 patent).

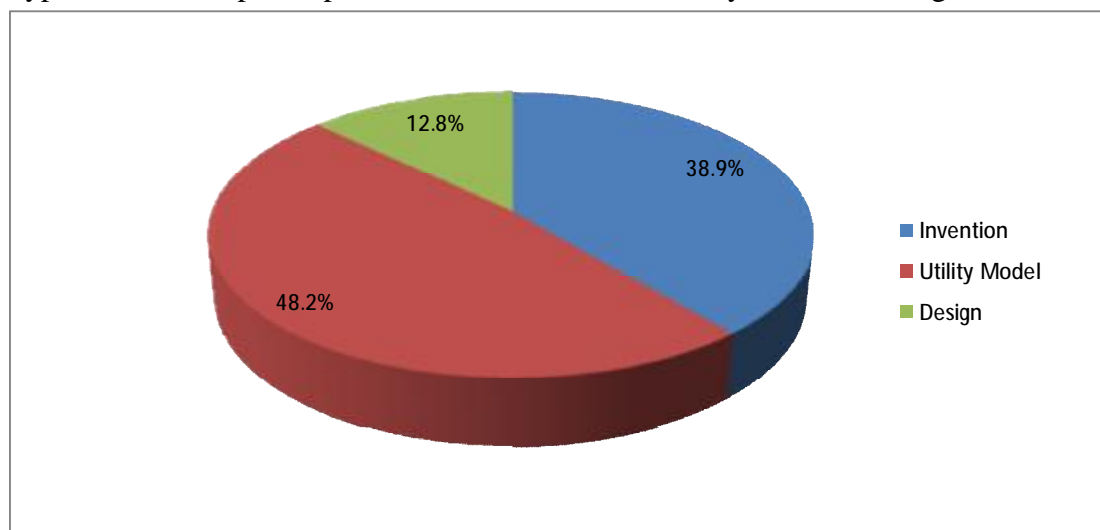
### 3. Statistics on Patent Publications in the Auto Industry

#### 3.1. Total Amount Statistics

1,012 patent publications are disclosed in the auto industry, accounting for 4.1% of total publications. Within, 394 invention publications are filed, which accounts for 5.8% of total invention publications.

#### 3.2 Type Statistics

Type statistics on patent publications in the Auto industry is shown in Fig.3-1

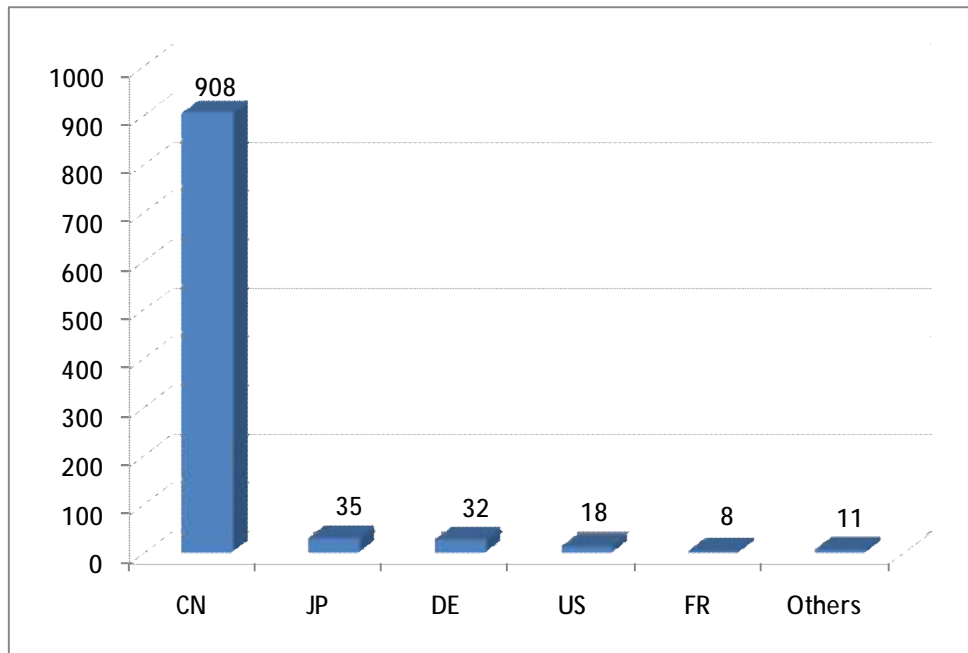


**Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry**

Types of patent publications in the auto industry are: 394 invention patents, accounting for 5.8% of total invention publications; 488 utility models, accounting for 5.6% of total utility models; 130 designs, accounting for 1.4% of total designs.

#### 3.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the Auto industry is shown in figure 3-2 and Table 3-3:



**Fig 3-2 Statistics on Resident and Non-resident Patent Publications in the Auto Industry**

Country	Amount of Publication
CN	908
JP	35
DE	32
US	18
FR	8
SE	4
IT	2
KR	2
NL	2
ES	1

**Table 3-3 Statistics on Resident and Non-resident Patent Publications in the Auto Industry**

Shown as in Table 3-3, the top five states on patent publications are China, Japan, Germany, the USA and France.

### 3.4 Statistics on Applicants

The top ten applicants in the auto industry are Chery Automobile Co Ltd, Chongqing Chang An Automobile Co Ltd, GreatWall, Changzhou Yuzheng Vehicle Electrical Appliance Co Ltd, Robert Bosch GMBH, Zhang Jilong, Glofurn (Zhejiang) Furniture Co Ltd, Suzhou Huadian Electric Co Ltd, FAW Group Corporation, Toyota. The amount of publication from the ten companies accounts for 10.2% of total patent

publications.

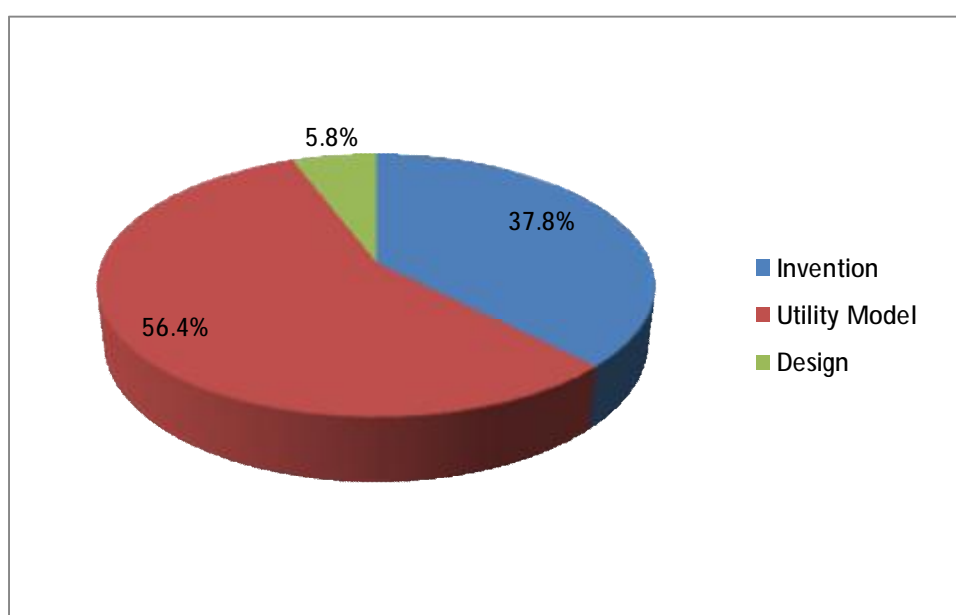
Applicant	Amount of Publication
Chery Automobile Co Ltd	17
Chongqing Chang An Automobile Co Ltd	17
GreatWall	17
Changzhou Yuzheng Vehicle Electrical Appliance Co Ltd	9
Robert Bosch GMBH	9
Zhang Jilong	8
Glofurn (Zhejiang) Furniture Co Ltd	7
Suzhou Huadian Electric Co Ltd	7
FAW Group Corporation	6
Toyota	6

## 4. Statistics on Patent Publications in the Steel Industry

### 4.1 Total Amount Statistics

7,249 patent publications are disclosed in the steel industry, accounting for 29.0% of total publications. Within, 2,738 invention publications are filed, which accounts for 40.0% of total invention publications.

### 4.2 Type Statistics



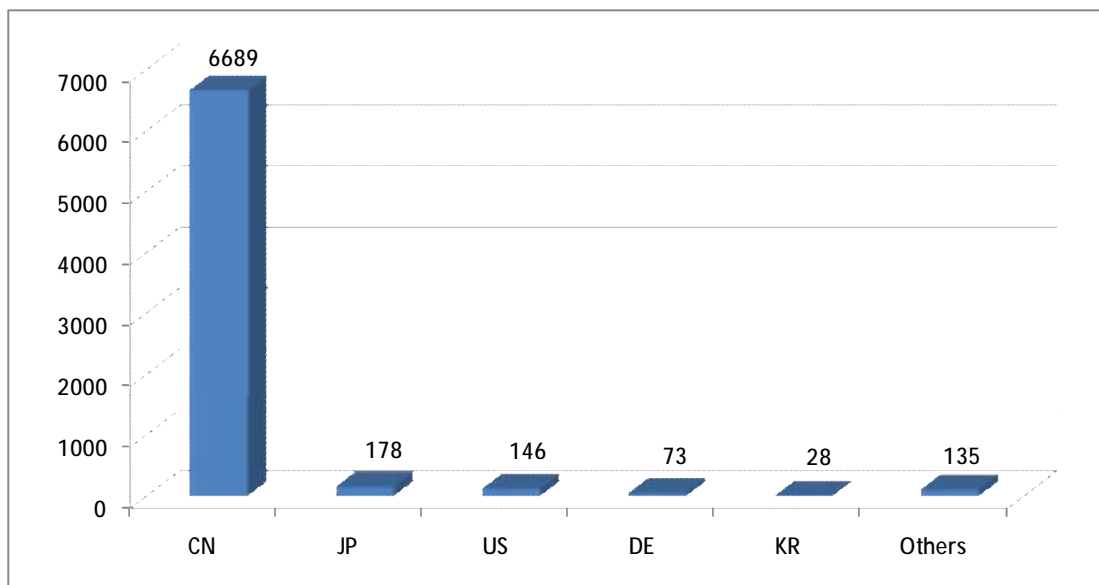
**Fig.4-1. Three Types of Patent Publications in the Steel Industry**

Patent publications in the steel industry involve 2,738 invention patents, accounting

for 40.0% of total invention publications; 4,090 utility models, accounting for 46.7% of total utility models; 421 designs, accounting for 4.5% of total designs.

### 4.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the steel industry is shown in figure 4-2 and Table 4-3:



**Figure 4-2 Statistics on Resident and Non-resident Patent Publications in the Steel Industry**

Country	Amount of Publication
CN	6689
JP	178
US	146
DE	73
KR	28
FR	22
NL	21
CH	13
SE	10
FI	9
BE	9
GB	8
IT	6
AU	6
ES	3
AT	3
CA	3



IL	3
SG	3
RU	2
NO	2
VG	2
DK	2
LU	2
MY	1
CZ	1
HU	1
BN	1
ZA	1
SK	1

**Table 4-3 Statistics on Resident and Non-resident Patent Publications in the Steel Industry**

Shown as in Table 4-3, the top five states on patent publications are China, Japan, the USA, Germany and South Korea.

#### 4.4 Statistics on Applicants

The top ten applicants in the steel industry are Zhang Xiao, Southeast University, Shanghai Jiao Tong University, Tsinghua University, Chery Automobile Co Ltd, Panyu Deyi Precision Electronic Industry Co Ltd, Suzhou Zhengbu Machine Manufacture Co Ltd, Jiashan Tonglida Ind Furnace Co Ltd, Surface Engineering Research Center of Ningbo, Harbin Institute of Technology (HIT). The amount of publication from the top ten applicants accounts for 3.7% of total patent publications.

Applicant	Amount of Publication
Zhang Xiao	47
Southeast University	46
Shanghai Jiao Tong University	23
Tsinghua University	23
Chery Automobile Co Ltd	22
Panyu Deyi Precision Electronic Industry Co Ltd	22
Suzhou Zhengbu Machine Manufacture Co Ltd	22
Jiashan Tonglida Ind Furnace Co Ltd	21
Surface Engineering Research Center of Ningbo	21
Harbin Institute of Technology (HIT)	20

## 5. Statistics on Patent Publications in the Nonferrous Metal Industry

### 5.1 Total Amount Statistics

1,160 patent publications are disclosed in the nonferrous metal industry, accounting for 4.6% of total publications. Within, 544 invention publications are filed, which accounts for 8.0% of total invention publications.

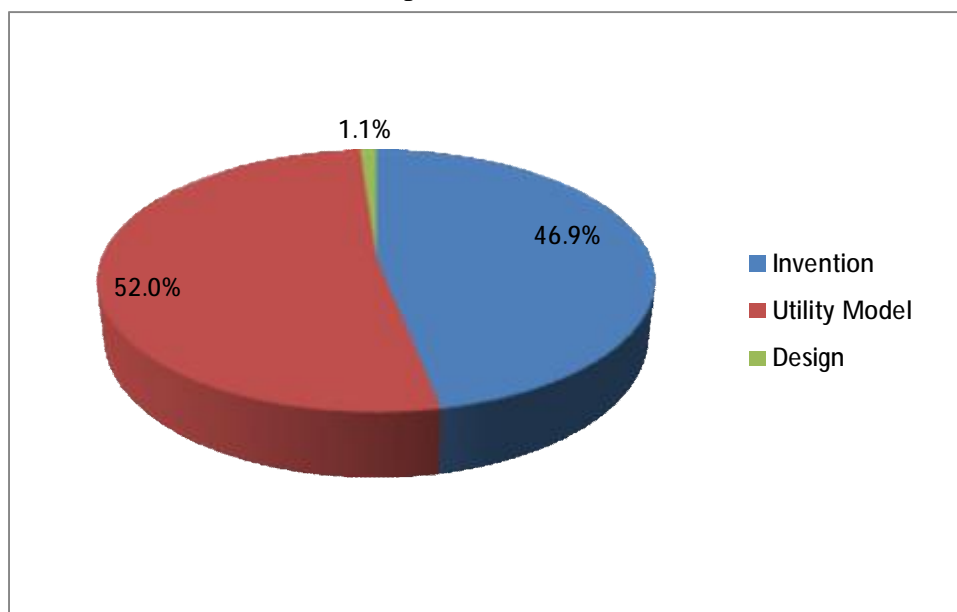


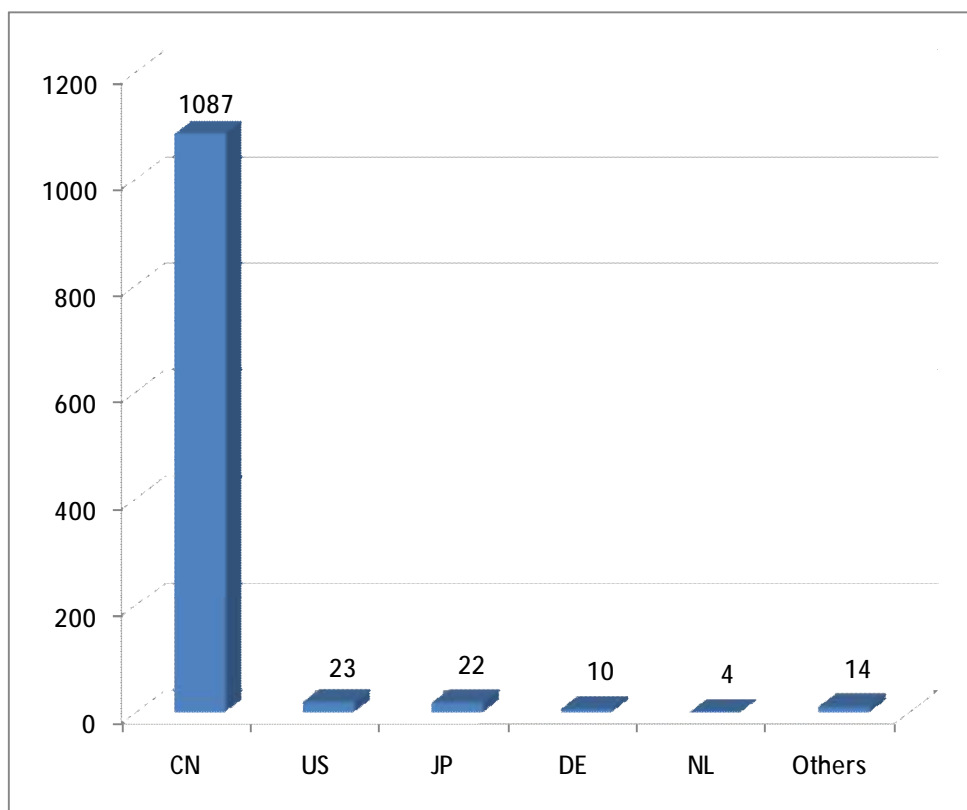
Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry

### 5.2 Type Statistics

Types of patent publications in the nonferrous metal industry are: 544 invention patents, accounting for 8.0% of total invention publications; 603 utility models, accounting for 6.9% of total utility models; 13 designs, accounting for 0.1% of total designs.

### 5.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the nonferrous metal industry is shown in figure 5-2 and table 5-3.



**Figure 5-2 Statistics on Resident and Non-resident Patent Publications in the Nonferrous Metal Industry**

Country	Amount of Publication
CN	1087
US	23
JP	22
DE	10
NL	4
BE	2
FR	1
KR	1
IL	1
LU	1
SE	1
CH	1
HU	1
CA	1
RU	1
IT	1
VG	1
FI	1

**Table 5-3 Statistics on Patent Publications in the Nonferrous Metal Industry**

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Shown as in Table 5-3, the top five states on patent publications in the nonferrous metal industry are China, the USA, Japan, Germany and Holland.

#### 5.4 Statistics on Applicants

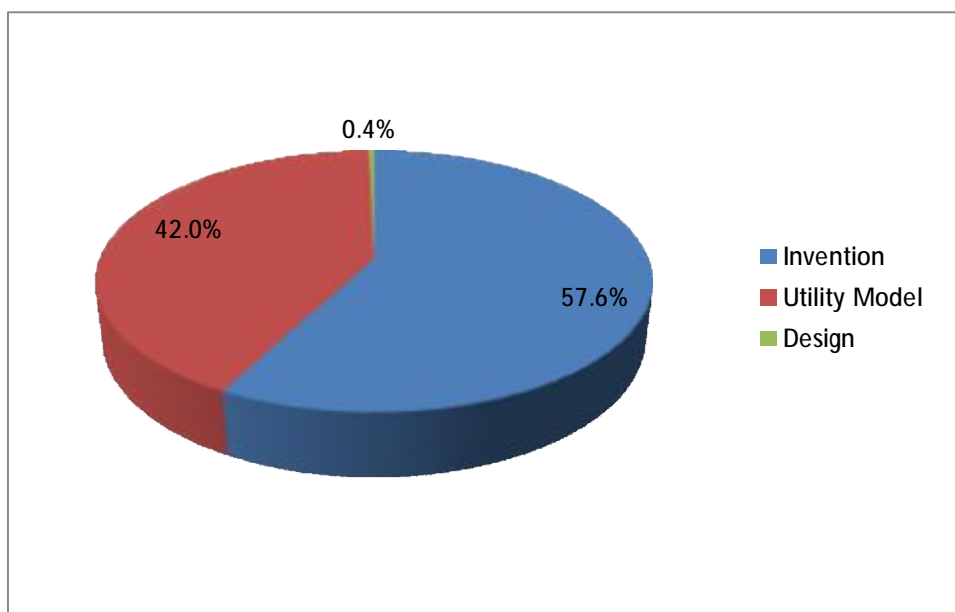
The top 10 applicants in the nonferrous metal industry are: Chengdu Dahongli Machinery Manufacturing Co Ltd, Western Drilling Engineering Co. Ltd of PetroChina, Nantong Sanxin Carbon Graphite Equipment Co Ltd, Chongqing Lee & Man Paper Manufacturing Co Ltd, China National Offshore Oil Corporation (CNOOC), Nat Grain Proc Equipment Engineering Technology Research Center, Kaifeng Maosheng Machinery Co Ltd, Southeast University, Zhonghai Petroleum Research Center, Feng Ruoyu. The amount of publication from the top ten applicants accounts for 7.5% of total patent publications.

Applicant	Amount of Publication
Chengdu Dahongli Machinery Manufacturing Co Ltd	12
Western Drilling Engineering Co. Ltd of PetroChina	11
Nantong Sanxin Carbon Graphite Equipment Co Ltd	10
Chongqing Lee & Man Paper Manufacturing Co Ltd	9
China National Offshore Oil Corporation (CNOOC)	8
Nat Grain Proc Equipment Engineering Technology Research Center	8
Kaifeng Maosheng Machinery Co Ltd	8
Southeast University	7
Zhonghai Petroleum Research Center	7
Feng Ruoyu	7

## 6. Statistics on Patent Publications in the Petrochemical Industry

### 6.1 Total Amount Statistics

255 patent publications are disclosed in the petrochemical industry, accounting for 1.0% of total publications. Within, 147 invention publications are filed, which accounts for 2.1% of total invention publications.



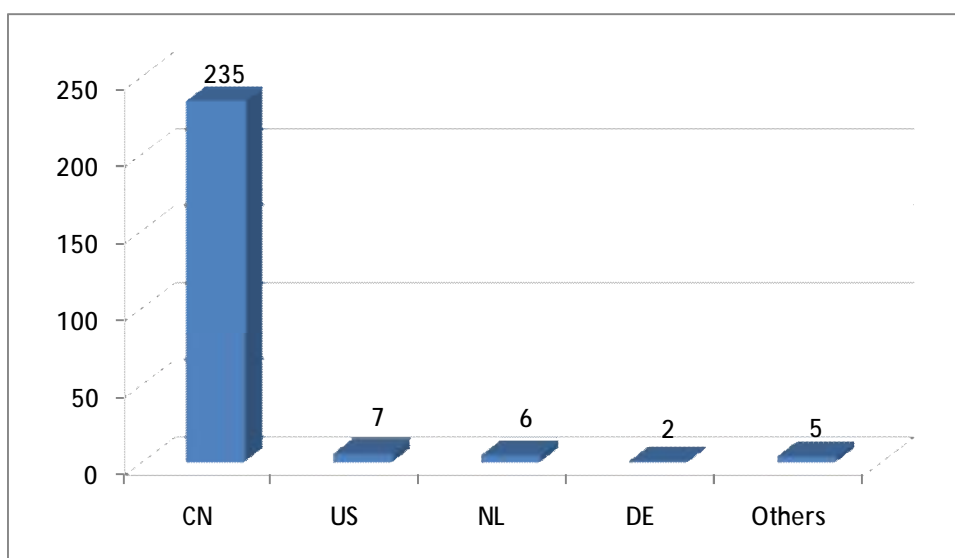
**Fig. 6-1 Types of Patent Publications in the Petrochemical Industry**

## 6.2 Type Statistics

Patent publications in the petrochemical industry involve 147 invention patents, accounting for 2.1% of total invention publications; 107 utility models, accounting for 1.2% of total utility models; 1 design, accounting for 0.01% of total designs.

## 6.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the petrochemical industry is shown in figure 6-2 and table 6-3.



**Fig. 6-2 Statistics on Resident and Non-resident Patent Publications in the Petrochemical Industry**

Country	Amount of Publication
CN	235
US	7
NL	6
DE	2
JP	1
KR	1
RU	1
VG	1
GB	1

**Table 6-3 Statistics on Resident and Non-resident Patent Publications in the Petrochemical Industry**

Shown as in Table 6-3, the top four states on patent publications are China, the USA, Holland and Germany.

#### 6.4 Statistics on Applicants

The top ten applicants in the petrochemical industry are: PetroChina, Western Drilling Engineering Co. Ltd of PetroChina, China National Offshore Oil Corporation (CNOOC), Southwest Petroleum University (SWPU), China Metallurgical Group Corporation (MCC), Zhonghai Petroleum Research Center, Xi'an Sitan Instrument Co Ltd, Shell, Northeast Petroleum University, ACRE Coking and Refractory Engineering Consulting Corporation(Dalian). The amount of publication from the top ten applicants accounts for 25.5% of total patent publications.

Applicant	Amount of Publication
PetroChina	13
Western Drilling Engineering Co. Ltd of PetroChina	11
China National Offshore Oil Corporation (CNOOC)	8
Southwest Petroleum University (SWPU)	6
China Metallurgical Group Corporation (MCC)	5
Zhonghai Petroleum Research Center	5
Xi'an Sitan Instrument Co Ltd	5
Shell	4
Northeast Petroleum University	4
ACRE Coking and Refractory Engineering Consulting Corporation(Dalian)	4

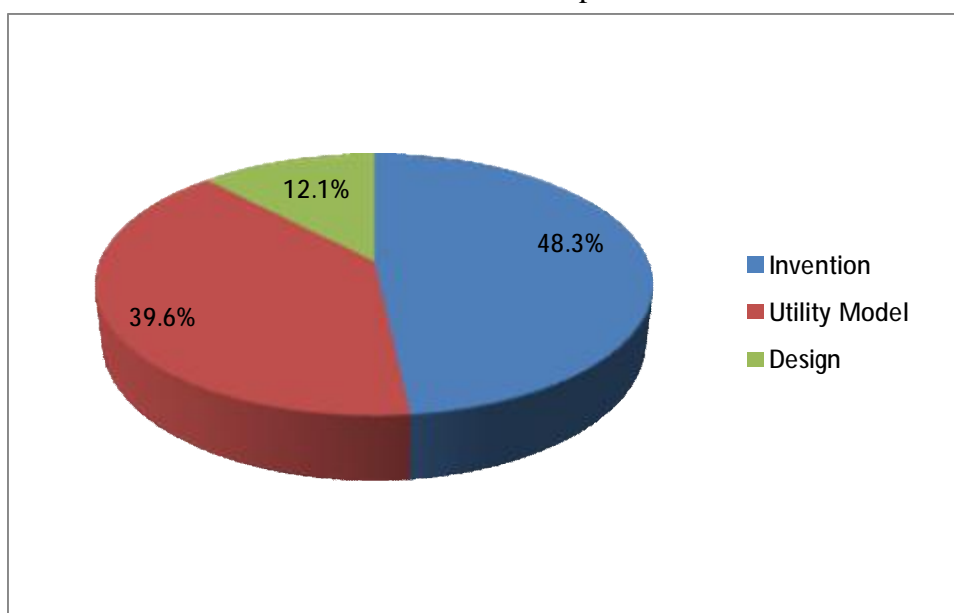
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## 7. Statistics on Patent Publications in the Electronic Information

### Industry

#### 7.1 Total Amount Statistics

3,954 patent publications are disclosed in the electronic information industry, accounting for 15.8% of total publications. Within, 1,909 invention publications are filed, which accounts for 27.9% of total invention publications.



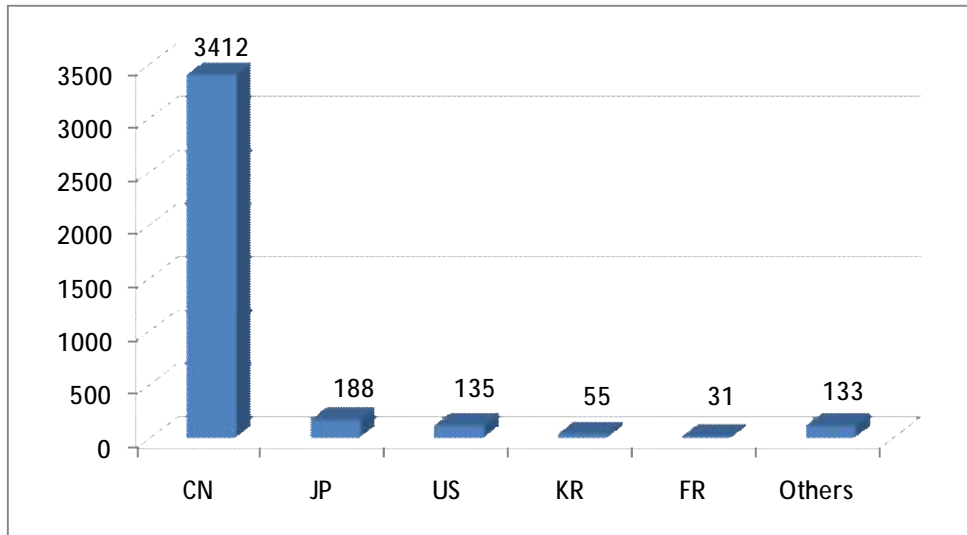
**Fig. 7-1 Three Types of Patent Publication in the Electronic Information Industry**

#### 7.2 Type Statistics

Patent publications in the electronic information industry involve 1,909 invention patents, accounting for 27.9% of total invention publications; 1,566 utility models, accounting for 17.9% of total utility models; and 479 designs, accounting for 5.1% of total design publications.

#### 7.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the electronic information industry is shown in figure 7-2 and table 7-3.



**Fig.7-2 Statistics on Resident and Non-resident Patent Publications in the Electronic Information Industry**

Country	Amount of Publication
CN	3412
JP	188
US	135
KR	55
FR	31
DE	28
SE	25
SG	15
NL	15
CA	10
GB	8
FI	8
CH	7
IT	4
DK	3
IL	2
VG	2
BE	1
AT	1
BN	1
LU	1
NO	1
ES	1

**Table 7-3 Non-resident Patent Publications in the Electronic Information Industry**



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Shown as in Table 7-3, the top five countries in terms of publication amount are China, Japan, the USA, South Korea and France.

#### 7.4 Statistics on Applicants

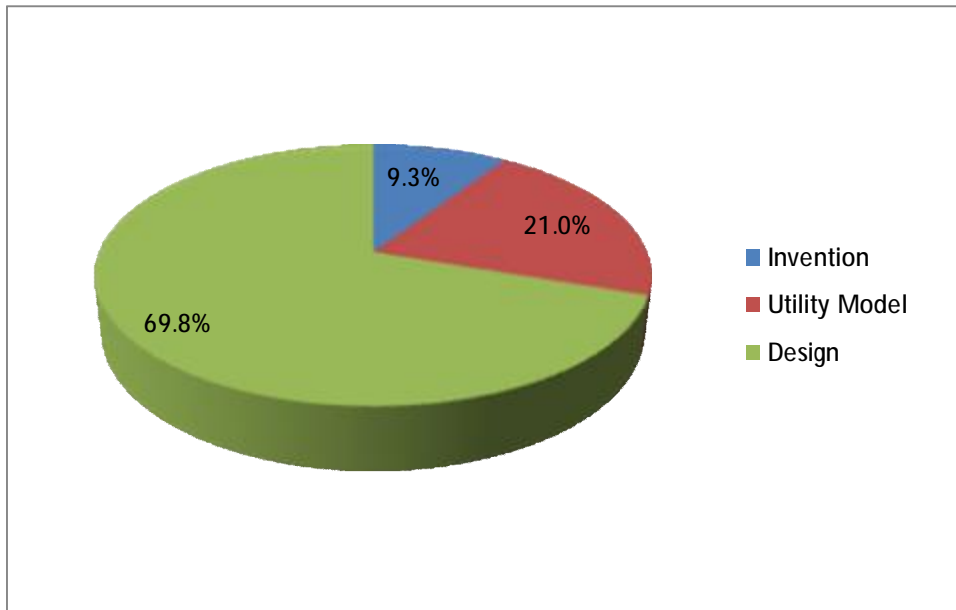
The top ten applicants in the electronic information industry are: Huawei Technologies Co Ltd, ZTE Corporation, Qualcomm Inc, LG, Southeast University, Tsinghua University, Shandong University of Science and Technology (SDUST), Panyu Deyi Precision Electronic Industry Co Ltd, Panasonic Corporation, Nippon Electric Co Ltd (NEC). The amount of publication from the top ten applicants accounts for 7.2% of total patent publications.

Applicant	Amount of Publication
Huawei Technologies Co Ltd	67
ZTE Corporation	32
Qualcomm Inc	27
LG	26
Southeast University	26
Tsinghua University	25
Shandong University of Science and Technology (SDUST)	21
Panyu Deyi Precision Electronic Industry Co Ltd	21
Panasonic Corporation	20
Nippon Electric Co Ltd (NEC)	18

### 8. Statistics on Patent Publications in the Textile Industry

#### 8.1 Total Amount Statistics

1,908 patent publications are disclosed in the textile industry, accounting for 7.6% of the total publications. Within, 177 invention publications are filed, which accounts for 2.6% of the total invention publications.



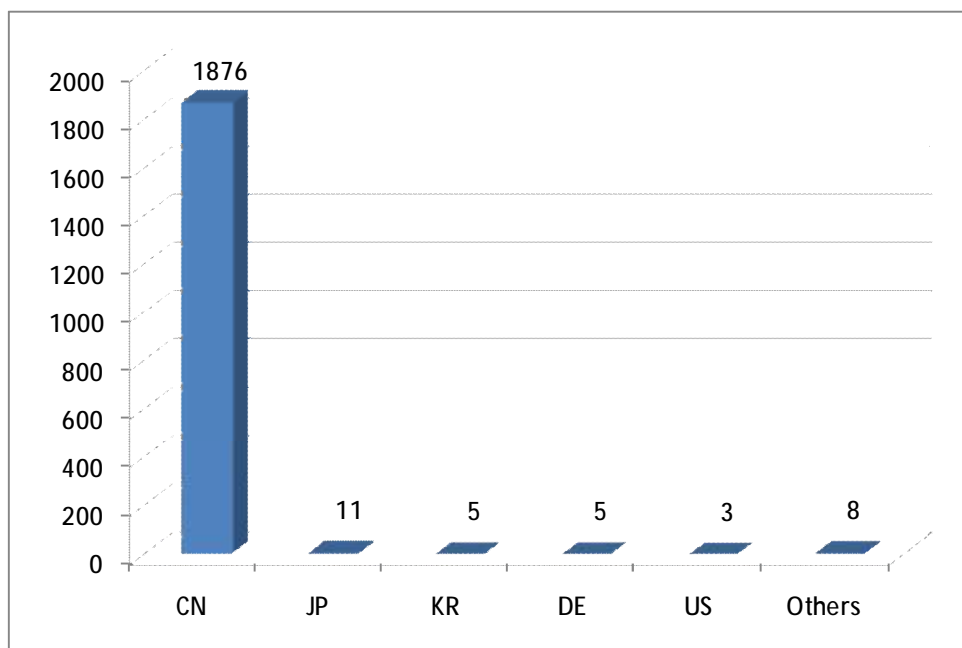
**Fig. 8-1 Three Types of Patent Publication in the Textile Industry**

### 8.2 Type Statistics

Patent publications in the textile industry involve 177 invention patents, accounting for 2.6% of total invention publications; 400 utility models, accounting for 4.6% of total utility models; 1331 designs, accounting for 14.2% of total design publications.

### 8.3 Statistics on Resident and Non-resident Patent Publications

Statistics on resident and non-resident patent publications in the textile industry is shown in figure 8-2 and table 8-3:



**Fig.8-2 Statistics on Resident and Non-resident Patent Publications in the Textile**

## Industry

Country	Amount of Publication
CN	1876
JP	11
KR	5
DE	5
US	3
NL	2
VG	1
NZ	1
BE	1
AU	1
AT	1
SG	1

**Table 8-3 Statistics on Resident and Non-resident Patent Publications in the Textile Industry**

Shown as in Table 8-3, the top five states on patent publications are China, Japan, South Korea, Germany and the USA.

### 8.4 Statistics on Applicants

The top ten principal applicants in the textile industry are: Wujiang Xinxu Plastic shoe Co Ltd, Jiangsu Shunyu Texttile Co Ltd, Wujiang Shingwai Knitting Duty Co Ltd, Wujiang Xieshi Garment Co Ltd, Yuan Lingfeng, Jiangyin Aijutu Garment Co Ltd, Jiangyin Xiangfei Garment Co Ltd, Cheng Xiaoming, Zhangjiagang Xiyangyang Textile Co Ltd, Suzhou Juyue Garment Co Ltd. The amount of publication from the top ten applicants accounts for 34.4% of total patent publications.

Applicant	Amount of Publication
Wujiang Xinxu Plastic shoe Co Ltd	239
Jiangsu Shunyu Texttile Co Ltd	113
Wujiang Shingwai Knitting Duty Co Ltd	65
Wujiang Xieshi Garment Co Ltd	61
Yuan Lingfeng	44
Jiangyin Aijutu Garment Co Ltd	37
Jiangyin Xiangfei Garment Co Ltd	28
Cheng Xiaoming	25
Zhangjiagang Xiyangyang Textile Co Ltd	22
Suzhou Juyue Garment Co Ltd	22