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**STATISTICS ON CHINESE PATENT PUBLICATIONS**

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**VOL.8(2) 2011**

Intellectual Property Publishing House

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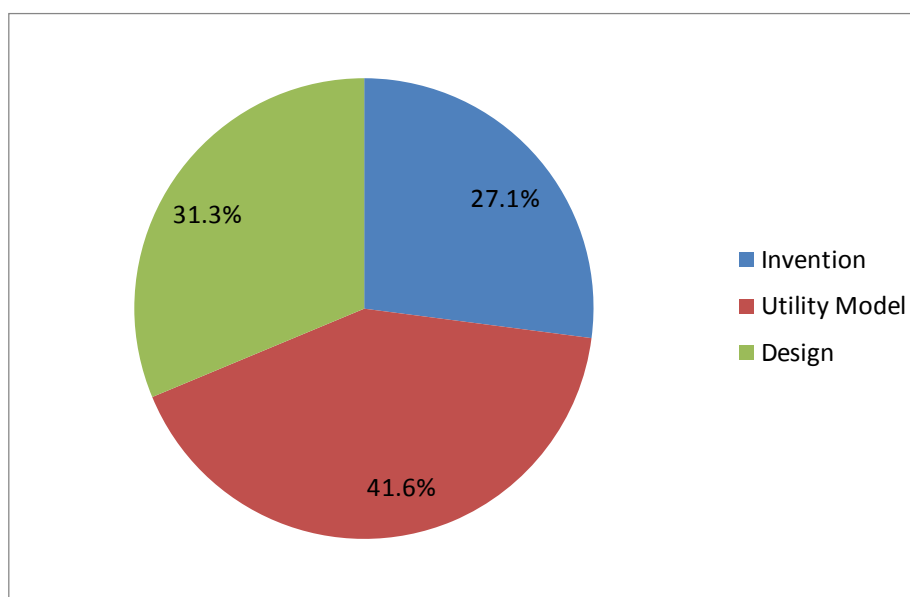
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## 1. Weekly Report on General Status of Chinese Patent Application

22,344 Chinese patents are published in this week, including 6,050 invention patents, 9,295 utility models and 6,999 designs, respectively accounting for 27.1%, 41.6% and 31.3% of publications.

### 1.1 Summary on Weekly Patent Publications

22,344 Chinese patents are published in this week, including 6,050 invention patents, 9,295 utility models and 6,999 designs, respectively accounting for 27.1%, 41.6% and 31.3% of publications.



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

China's top seven patent publication rankings: steel (6,493 patent publications), electronic information (4,100 patent publications), automobile (1,000 patent publications), textile (955 patent publications), nonferrous metal (925 patent publications), petroleum chemical industry (235 patent publications) and shipbuilding (87 patent publications).

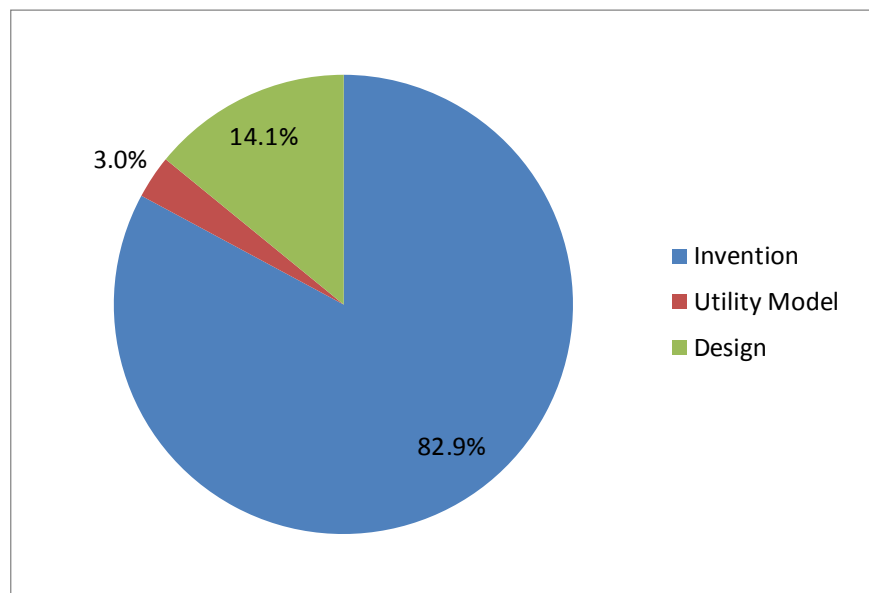
### 1.3. Weekly Report on Applicants

20,157 Chinese patents are disclosed this week, which accounts for 90.2% of total publications. Foreign applications take 9.8% of total publications, generally from Japan (750 patents, accounting for 3.4%), the USA (548 patents, accounting for 2.5%), and Germany (240 patents, accounting for 1.1%). 649 patents are from other countries, accounting for 2.9%.

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

2,187 patents are submitted by foreigners, including 1,812 inventions, 66 utility models and 309 designs, which respectively accounts for 82.9%, 3.0% and 14.1% of total applications.



### 2.1 Statistics on US Patent Applications

548 US patent applications are published in China, including 490 inventions, 25 utility models, and 33 designs, respectively accounting for 89.4%, 4.6% and 6.0% of total publications.

US patent publications refer to the following fields: electronic information (220 patents), steel (172 patents), automobile (33 patents), nonferrous metals (17 patents), petrochemical industry (7 patents) and textiles (7 patents).

### 2.2 Statistics on JP Patent Applications

750 JP patent applications are published in China, including 624 inventions, accounting for 83.2% of total publication; 12 utility models, accounting for 1.6% of total publication; and 114 designs, accounting for 15.2% of total publication.

JP patent publications refer to the following fields: electronic information (350 patents), steel (304 patents), automobile (60 patents), nonferrous metals (24 patents), textiles (9 patents), petrochemical industry (5 patents) and shipbuilding (1 patent).

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publication).

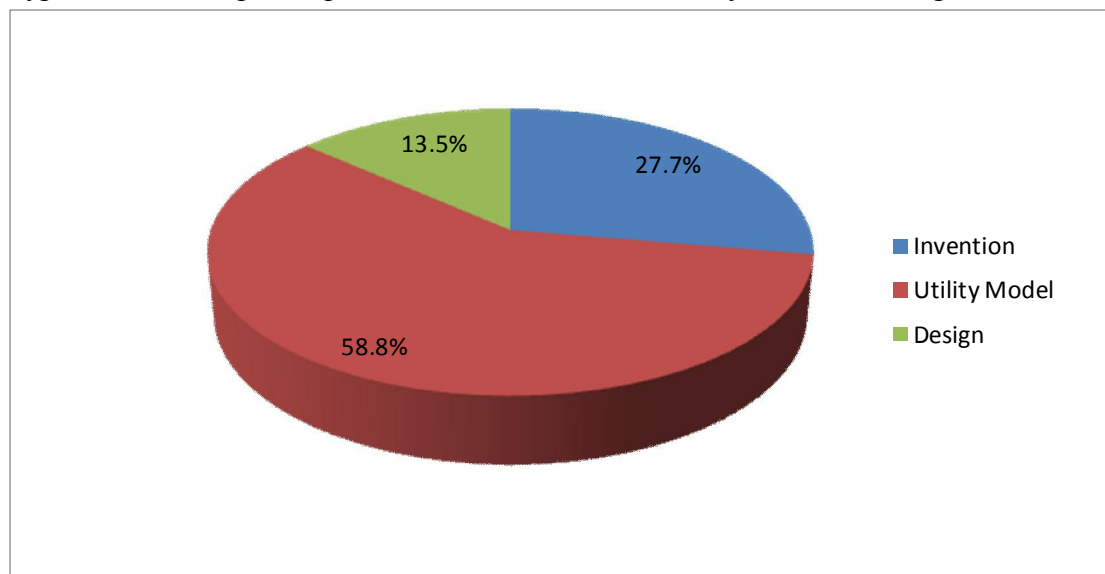
### 3. Statistics on Patent Publications in the Auto Industry

#### 3.1. Total Amount Statistics

1,000 patent publications are disclosed in the auto industry, accounting for 4.5% of total publications. Within, 277 invention publications are filed, which accounts for 4.6% of total invention publications.

#### 3.2 Type Statistics

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

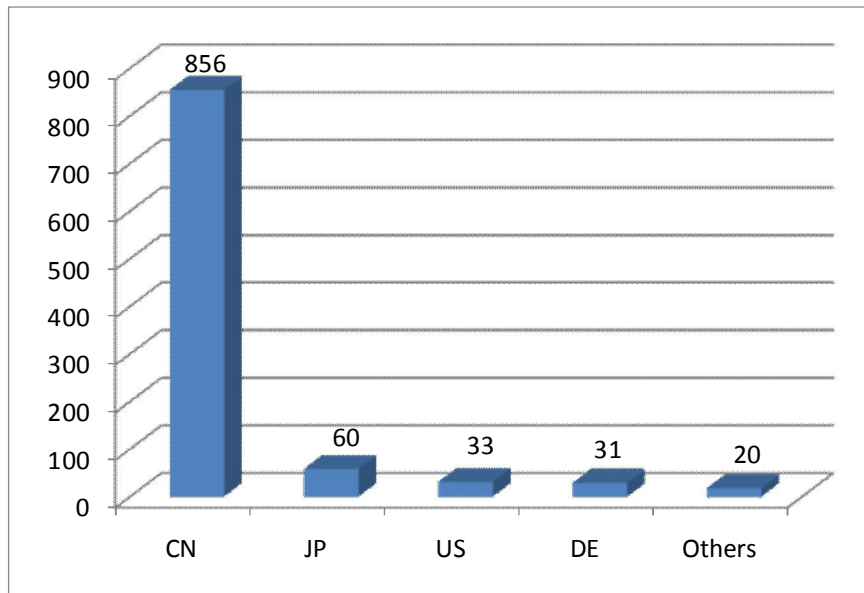


**Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry**

Types of patent publications in the auto industry are: 277 invention patents, accounting for 4.6% of total invention publications; 588 utility models, accounting for 6.3% of total utility models; 135 designs, accounting for 1.9% 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	856
JP	60
US	33
DE	31
FR	5
CH	5
KR	4
IT	1
SE	1
DK	1
GB	1
IL	1
MX	1

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

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

### 3.4 Statistics on Applicants

The top ten applicants in the auto industry are Chongqing Chang An Automobile Co Ltd, Chery Automobile Co Ltd, Beiqi Futian Automobile Co Ltd, Hangzhou Zhongce Rubber Company Limited, Zhejiang Geely Holding Group Co Ltd, Zhejiang Geely

Automobile Res Academy, General Motors(GM) Global Tech Operations Inc, Toyota, Anhui Fuma Axle Co Ltd, Dongfeng Motor Corporation. The amount of publication from the ten companies accounts for 15.3% of total patent publications.

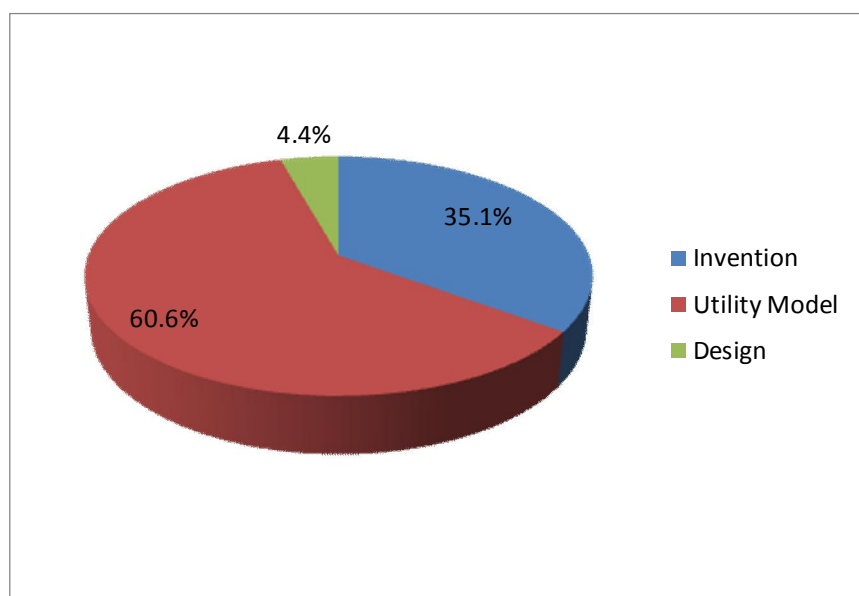
Applicant	Amount of Publication
Chongqing Chang An Automobile Co Ltd	23
Chery Automobile Co Ltd	22
Beiqi Futian Automobile Co Ltd	21
Hangzhou Zhongce Rubber Company Limited	17
Zhejiang Geely Holding Group Co Ltd	16
Zhejiang Geely Automobile Res Academy	16
General Motors(GM) Global Tech Operations Inc	12
Toyota	9
Anhui Fuma Axle Co Ltd	9
Dongfeng Motor Corporation	8

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

##### 4.1 Total Amount Statistics

6,493 patent publications are disclosed in the steel industry, accounting for 29.1% of total publications. Within, 2,278 invention publications are filed, which accounts for 37.7% of total invention publications.

##### 4.2 Type Statistics

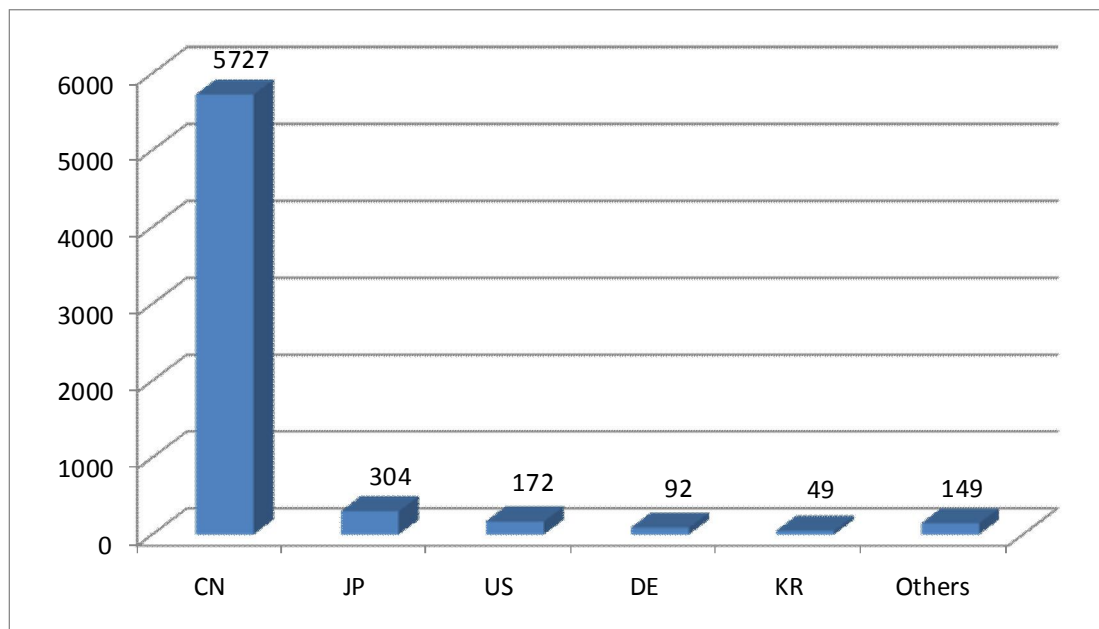


**Fig.4-1. Three Types of Patent Publications in the Steel Industry**

Patent publications in the steel industry involve 2,278 invention patents, accounting for 37.7% of total invention publications; 3,932 utility models, accounting for 42.3% of total utility models; 283 designs, accounting for 4.0% 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	5727
JP	304
US	172
DE	92
KR	49
FR	29
GB	20
NL	14
CH	13
AT	11
DK	9
CA	7
SE	5
AU	5



FI	5
IT	5
SG	5
VG	3
NO	3
BE	3
ES	2
AG	2
IL	2
BB	2
KY	1
BR	1
NZ	1
KZ	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 Hon Hai Precision Industry Co Ltd, Foxconn (Kunshan) Computer Connector Co Ltd, China Metallurgical Group Corporation (MCC), Panasonic, Cheng Jianping, Hong Jinkun, Wang Dongfang, Xi'an University of Technology (XUT), Hongfujin Prec(Shenzhen) Ind, Tsinghua University. The amount of publication from the top ten applicants accounts for 4.6% of total patent publications.

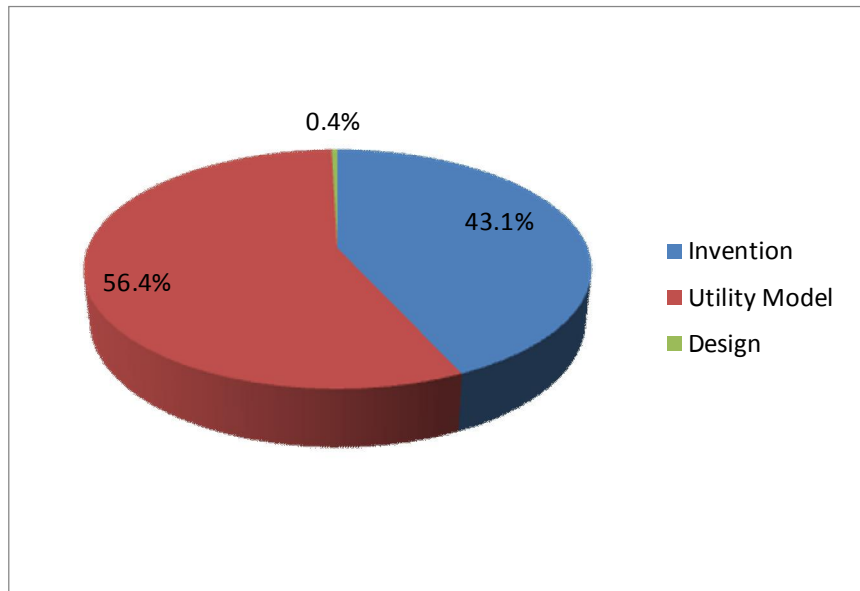
Applicant	Amount of Publication
Hon Hai Precision Industry Co Ltd	65
Foxconn (Kunshan) Computer Connector Co Ltd	44
China Metallurgical Group Corporation (MCC)	31
Panasonic	26
Cheng Jianping	25
Hong Jinkun	24
Wang Dongfang	21
Xi'an University of Technology (XUT)	21
Hongfujin Prec(Shenzhen) Ind	21
Tsinghua University	20

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

### 5.1 Total Amount Statistics

925 patent publications are disclosed in the nonferrous metal industry, accounting for 4.1% of total publications. Within, 399 invention publications are filed, which accounts for 6.6% of total invention publications.



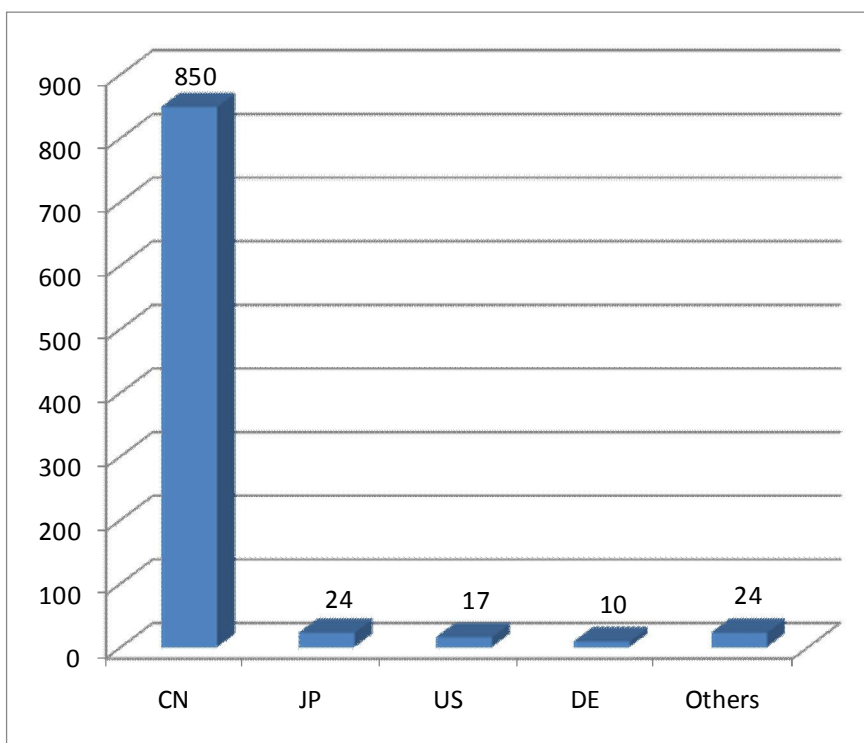
**Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry**

### 5.2 Type Statistics

Types of patent publications in the nonferrous metal industry are: 399 invention patents, accounting for 6.6% of total invention publications; 522 utility models, accounting for 5.6% of total utility models; 4 designs, accounting for 0.06% 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	850
JP	24
US	17
DE	10
DK	3
CH	3
SG	2
KR	2
FI	2
IT	2
FR	2
AU	2
CA	1
AT	1
VG	1
GB	1
BR	1
NO	1

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

Shown as in Table 5-3, the top four states on patent publications in the nonferrous

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metal industry are China, Japan, the USA and Germany.

#### **5.4 Statistics on Applicants**

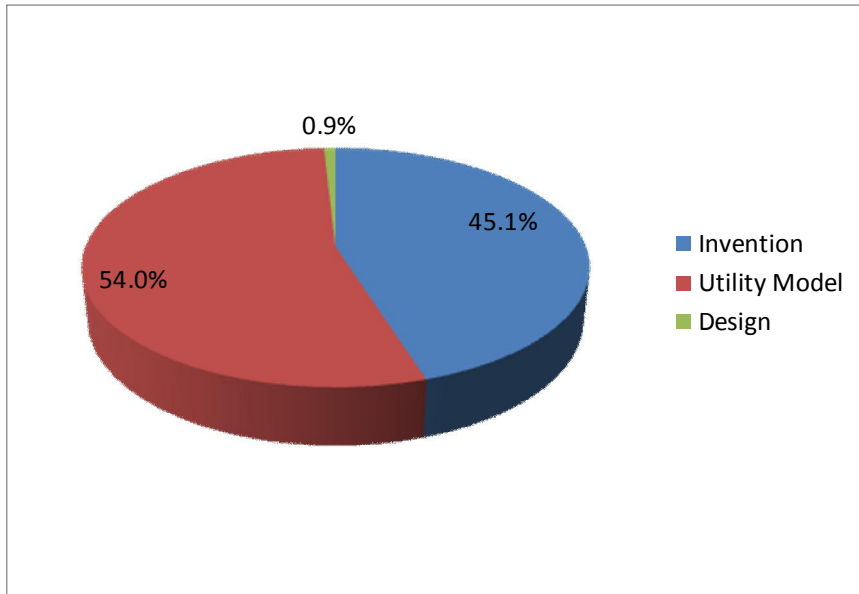
The top 10 applicants in the nonferrous metal industry are: Chengdu Feilong Water Treatment Technology Institute, PetroChina, China Metallurgical Group Corporation (MCC), Sinopec, Guiyang Aluminium Magnesium Design & Research Institute (GAMI), Henan Polytechnic University (HPU), Anshan Iron and Steel Group Corporation (Ansteel), China University of Mining and Technology (CUMT), Chinese Academy of Sciences, China University of Petroleum (CUP). The amount of publication from the top ten applicants accounts for 8.9% of total patent publications.

Applicant	Amount of Publication
Chengdu Feilong Water Treatment Technology Institute	13
PetroChina	10
China Metallurgical Group Corporation (MCC)	10
Sinopec	10
Guiyang Aluminium Magnesium Design & Research Institute (GAMI)	8
Henan Polytechnic University (HPU)	7
Anshan Iron and Steel Group Corporation (Ansteel)	7
China University of Mining and Technology (CUMT)	6
Chinese Academy of Sciences	6
China University of Petroleum (CUP)	5

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

#### **6.1 Total Amount Statistics**

235 patent publications are disclosed in the petrochemical industry, accounting for 1.1% of total publications. Within, 106 invention publications are filed, which accounts for 1.8% of total invention publications.



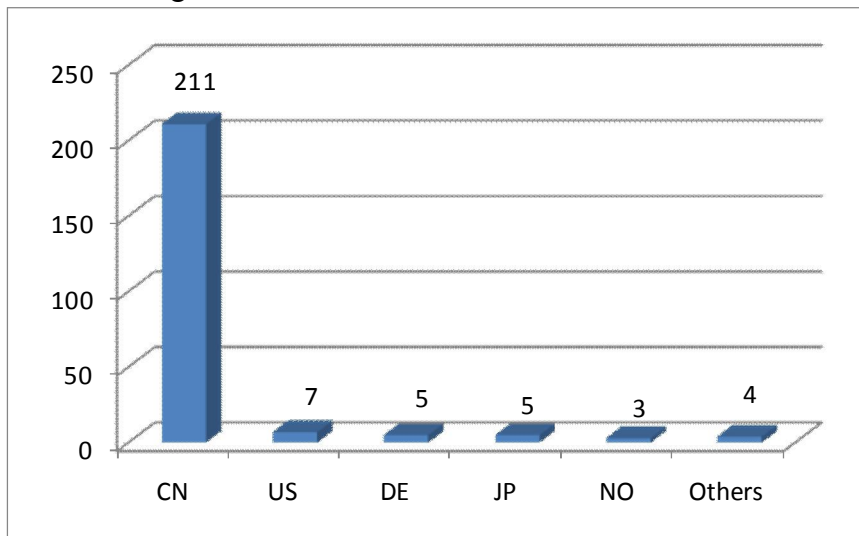
**Fig. 6-1 Types of Patent Publications in the Petrochemical Industry**

### 6.2 Type Statistics

Patent publications in the petrochemical industry involve 106 invention patents, accounting for 1.8% of total invention publications; 127 utility models, accounting for 1.4% of total utility models; 2 designs, accounting for 0.03% 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	211
US	7
DE	5
JP	5
NO	3
FI	2
DK	1
VG	1

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

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

#### **6.4 Statistics on Applicants**

The top ten applicants in the petrochemical industry are: Sinopec, PetroChina, China Metallurgical Group Corporation (MCC), Oil Extraction Technology Institute of Shengli Oilfield Branch of Sinopec, China University of Petroleum (CUP), China National Offshore Oil Corporation (CNOOC), Henan Polytechnic University (HPU), ACRE Coking and Refractory Engineering Consulting Corporation(Dalian), Chuanqing Drilling Engineering Co Ltd of PetroChina, Guangzhou Jinanyuan Energy Saving Technology Co Ltd. The amount of publication from the top ten applicants accounts for 20.0% of total patent publications.

Applicant	Amount of Publication
Sinopec	11
PetroChina	6
China Metallurgical Group Corporation (MCC)	5
Oil Extraction Technology Institute of Shengli Oilfield Branch of Sinopec	5
China University of Petroleum (CUP)	4
China National Offshore Oil Corporation (CNOOC)	4
Henan Polytechnic University (HPU)	3
ACRE Coking and Refractory Engineering Consulting Corporation(Dalian)	3
Chuanqing Drilling Engineering Co Ltd of PetroChina	3
Guangzhou Jinanyuan Energy Saving Technology Co Ltd	3

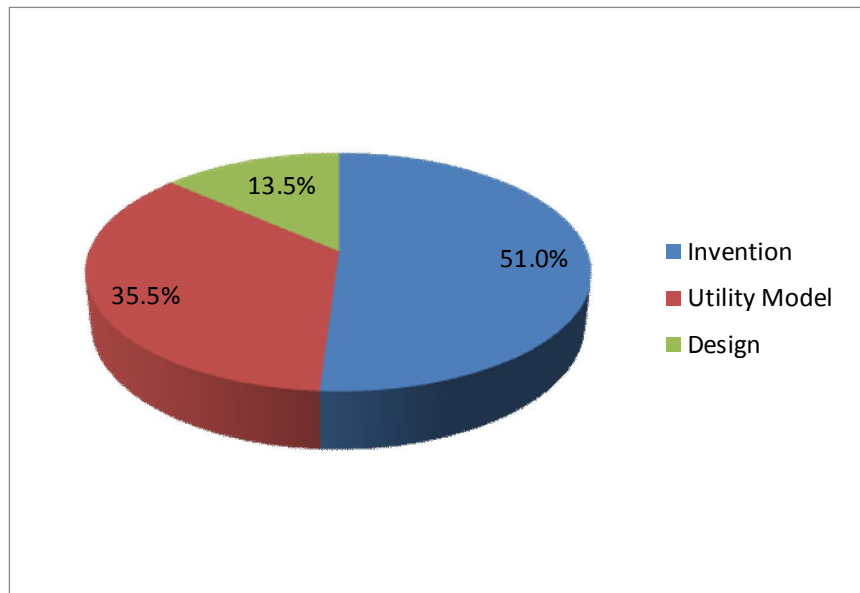
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## 7. Statistics on Patent Publications in the Electronic Information

### Industry

#### 7.1 Total Amount Statistics

4,100 patent publications are disclosed in the electronic information industry, accounting for 18.3% of total publications. Within, 2,092 invention publications are filed, which accounts for 34.6% of total invention publications.



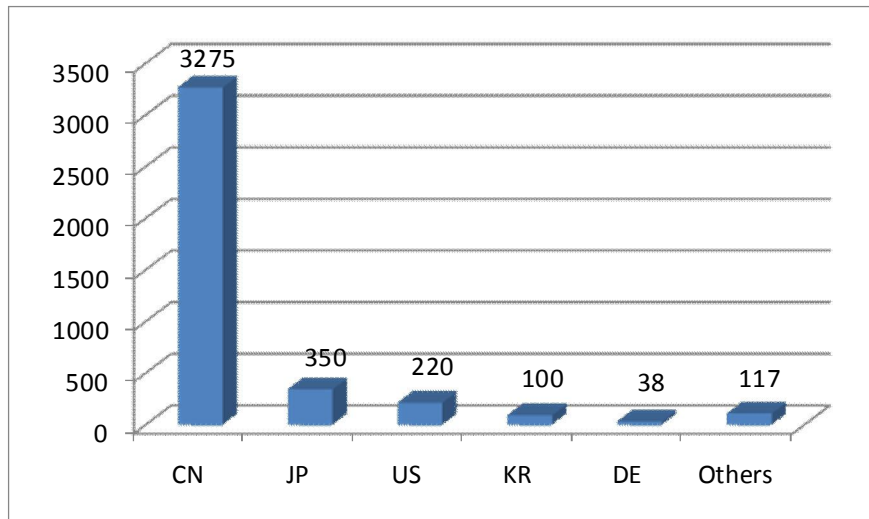
**Fig. 7-1 Three Types of Patent Publication in the Electronic Information Industry**

#### 7.2 Type Statistics

Patent publications in the electronic information industry involve 2,092 invention patents, accounting for 34.6% of total invention publications; 1,455 utility models, accounting for 15.7% of total utility models; and 553 designs, accounting for 7.9% 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	3275
JP	350
US	220
KR	100
DE	38
NL	18
FR	17
SE	16
CA	14
GB	12
FI	9
SG	5
KY	4
AT	4
IL	3
CH	3
AG	2
DK	2
BB	2
BE	1
IT	1
IE	1
PT	1
VG	1
RU	1

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



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## Industry

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

### 7.4 Statistics on Applicants

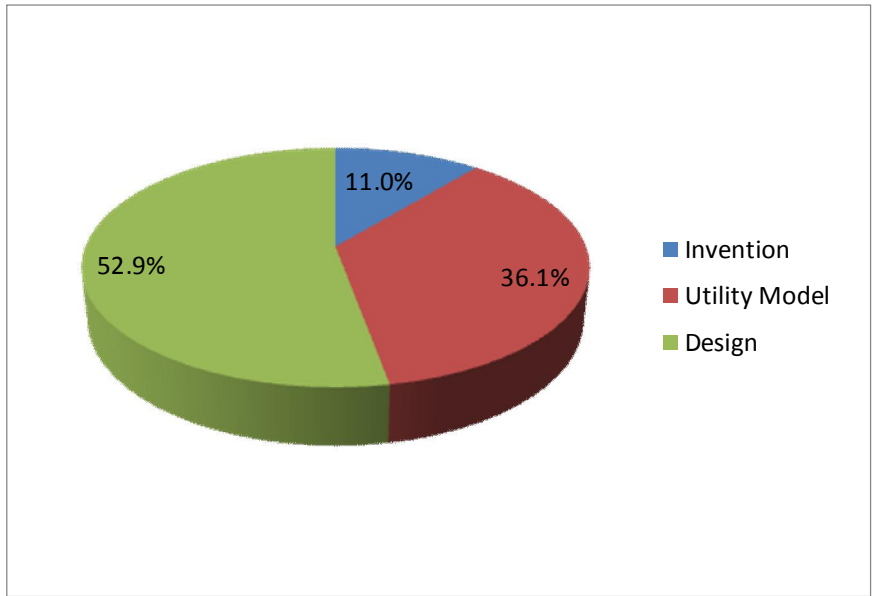
The top ten applicants in the electronic information industry are: ZTE Corporation, Huawei, Hon Hai Precision Industry Co Ltd, Yan Gongming, Foxconn (Kunshan) Computer Connector Co Ltd, Panasonic, Sony, Samsung, Hongfujin Prec(Shenzhen) Ind, Qualcomm Inc. The amount of publication from the top ten applicants accounts for 13.1% of total patent publications.

Applicant	Amount of Publication
ZTE Corporation	113
Huawei	80
Hon Hai Precision Industry Co Ltd	77
Yan Gongming	50
Foxconn (Kunshan) Computer Connector Co Ltd	44
Panasonic	40
Sony	38
Samsung	34
Hongfujin Prec(Shenzhen) Ind	33
Qualcomm Inc	29

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

### 8.1 Total Amount Statistics

955 patent publications are disclosed in the textile industry, accounting for 4.3% of the total publications. Within, 105 invention publications are filed, which accounts for 1.7% of the total invention publications.



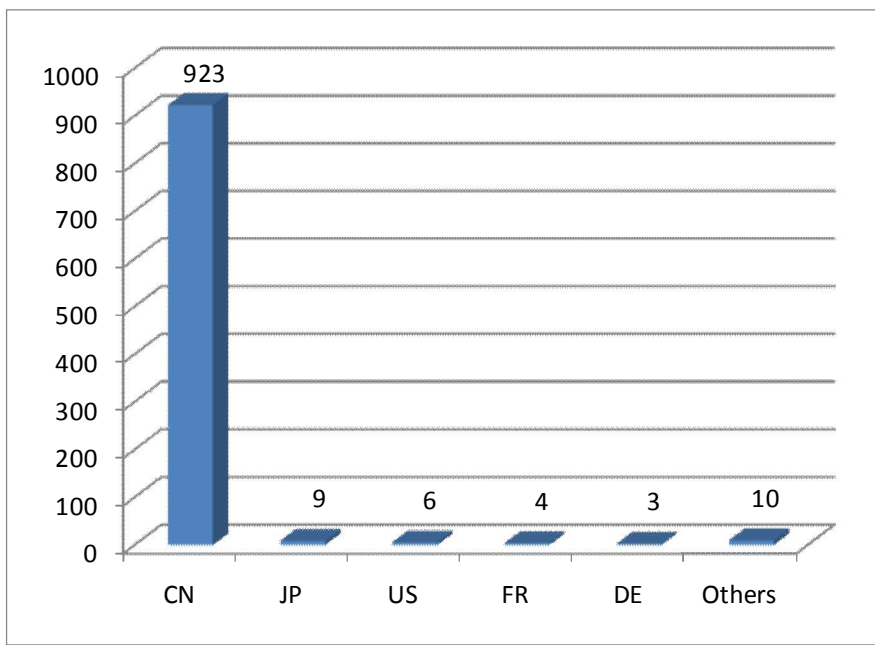
**Fig. 8-1 Three Types of Patent Publication in the Textile Industry**

### 8.2 Type Statistics

Patent publications in the textile industry involve 105 invention patents, accounting for 1.7% of total invention publications; 345 utility models, accounting for 3.7% of total utility models; 505 designs, accounting for 7.2% 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	923
JP	9
US	6
FR	4
DE	3
KR	2
IT	2
NL	2
GB	1
NO	1
DK	1
BE	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, the USA, France and Germany.

### 8.4 Statistics on Applicants

The top ten principal applicants in the textile industry are: Suzhou Kenan Apparel Co Ltd, Dai Youdi, Chen Wenjun, Shu Xin, Ying Wenlong, Wang Juan, Ningbo Noble Woolen Garments Industrial Co Ltd, Suzhou Tianshun Garments Co Ltd, Haining Miqiling Home Shoes Clothes Co Ltd, Ningbo Shanjing Garments Co Ltd. The amount of publication from the top ten applicants accounts for 33.8% of total patent publications.

Applicant	Amount of Publication
Suzhou Kenan Apparel Co Ltd	96
Dai Youdi	49
Chen Wenjun	39
Shu Xin	34
Ying Wenlong	23
Wang Juan	20
Ningbo Noble Woolen Garments Industrial Co Ltd	19
Suzhou Tianshun Garments Co Ltd	17
Haining Miqiling Home Shoes Clothes Co Ltd	14
Ningbo Shanjing Garments Co Ltd	12