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**STATISTICS ON CHINESE PATENT PUBLICATIONS**

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**VOL. 12(3) 2011**

Intellectual Property Publishing House

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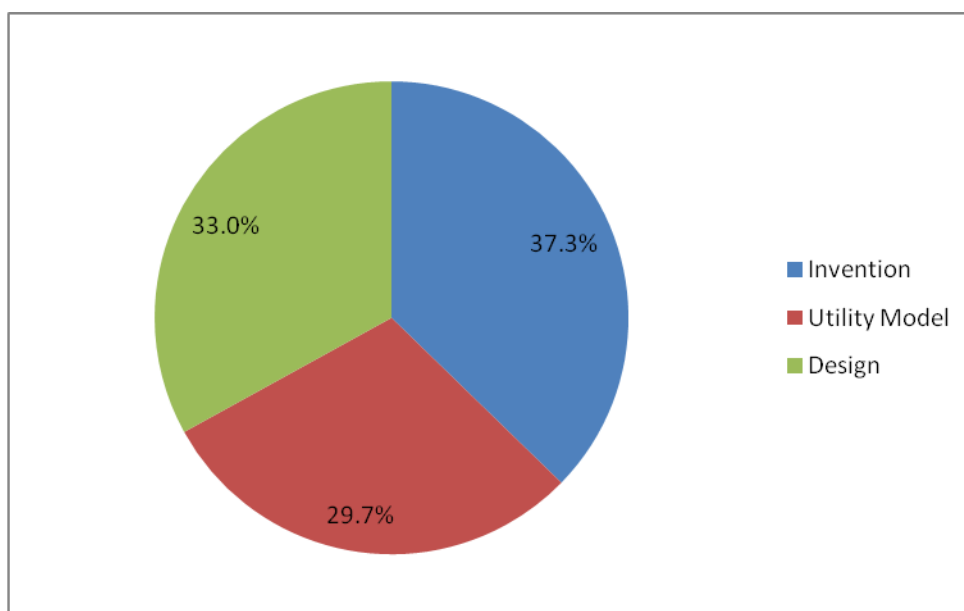
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## 1. Weekly Report on General Status of Chinese Patent Application

27,258 Chinese patents are published in this week, including 10,157 invention patents, 8,105 utility models and 8,996 designs, respectively accounting for 37.3%, 29.7% and 33.0% of publications.

### 1.1 Summary on Weekly Patent Publications

27,258 Chinese patents are published in this week, including 10,157 invention patents, 8,105 utility models and 8,996 designs, respectively accounting for 37.3%, 29.7% and 33.0% of publications.



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

China's top seven patent publication rankings: steel (8,377 patent publications), electronic information (4,917 patent publications), textile (1,765 patent publications), nonferrous metal (1,210 patent publications), automobile (996 patent publications), petroleum chemical industry (253 patent publications) and shipbuilding (69 patent publications).

### 1.3. Weekly Report on Applicants

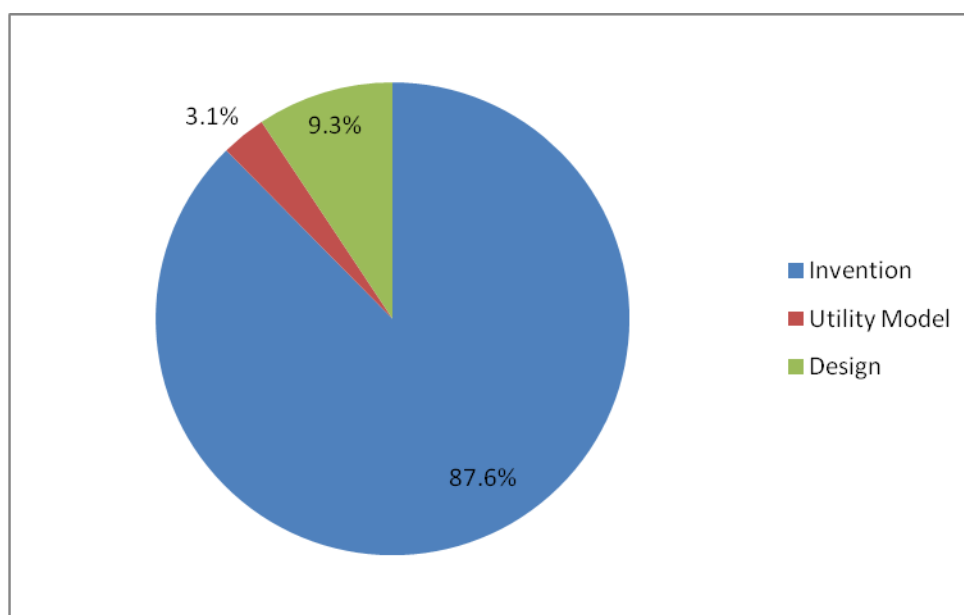
24,904 Chinese patents are disclosed this week, which accounts for 91.4% of total publications. Foreign applications take 8.6% of total publications, generally from Japan (843 patents, accounting for 3.1%), the USA (581 patents, accounting for 2.1%), and South Korea (218 patents, accounting for 0.8%). 712 patents are from other

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countries, accounting for 2.6%.

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

2,354 patents are submitted by foreigners, including 2,062 inventions, 72 utility models and 220 designs, which respectively accounts for 87.6%, 3.1% and 9.3% of total applications.



### 2.1 Statistics on US Patent Applications

581 US patent applications are published in China, including 512 inventions, 14 utility models, and 55 designs, respectively accounting for 88.1%, 2.4% and 9.5% of total publications.

US patent publications refer to the following fields: electronic information (222 patents), steel (183 patents), nonferrous metals (21 patents), automobile (20 patents), textiles (15 patents) and petrochemical industry (12 patents).

### 2.2 Statistics on JP Patent Applications

843 JP patent applications are published in China, including 772 inventions, accounting for 91.6% of total publication; 19 utility models, accounting for 2.3% of total publication; and 52 designs, accounting for 6.2% of total publication.

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JP patent publications refer to the following fields: electronic information (437 patents), steel (336 patents), automobile (53 patents), nonferrous metals (20 patents), textiles (17 patents) and petrochemical industry (4 patent).

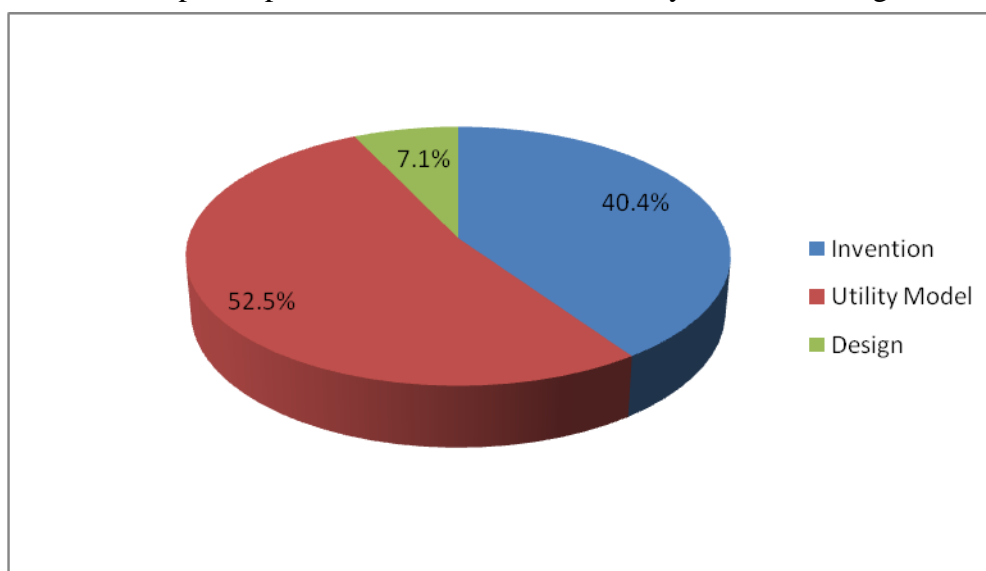
### 3. Statistics on Patent Publications in the Auto Industry

#### 3.1.Total Amount Statistics

996 patent publications are disclosed in the auto industry, accounting for 3.7% of total publications. Within, 402 invention publications are filed, which accounts for 4.0% of total invention publications.

#### 3.2 Type Statistics

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

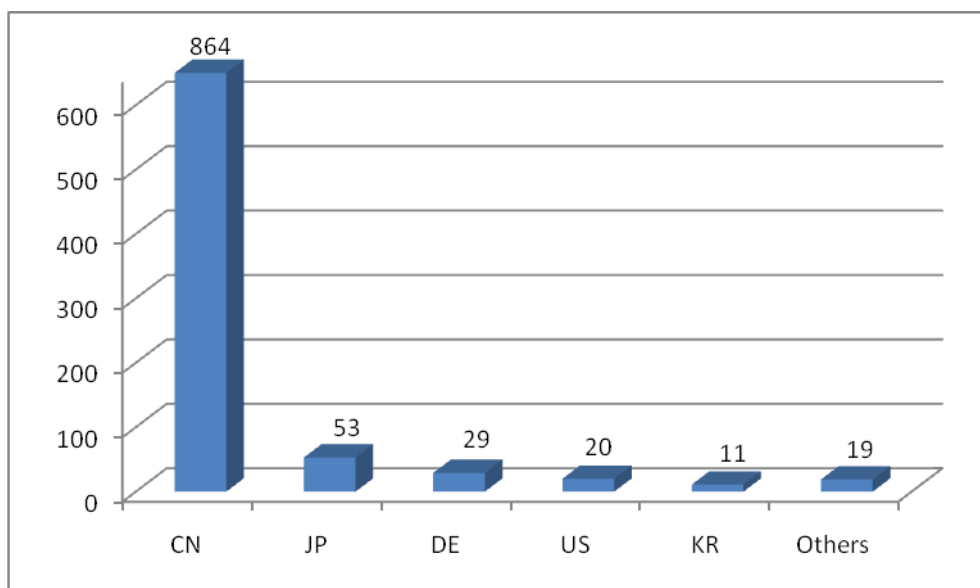


**Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry**

Types of patent publications in the auto industry are: 402 invention patents, accounting for 4.0% of total invention publications; 523 utility models, accounting for 6.5% of total utility models; 71 designs, accounting for 0.8% 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	864
JP	53
DE	29
US	20
KR	11
FR	4
IT	3
SE	3
AT	2
KY	1
NL	1
DK	1
CH	1
BE	1
CA	1
ZA	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 South Korea.

### 3.4 Statistics on Applicants

The top ten applicants in the auto industry are: Beiqi Foton Motor Co., Ltd, Shandong

University of Technology, Great Wall Motor Company, Hafei Motor Co., Ltd, Chongqing Changan Automobile Company Limited, Shandong Hengfeng Rubber & Plastic Co., Ltd, Toyota Corporation, Wuhu Ruichuang Investment Co., Ltd, Anhui Jianghuai Automobile Co., Ltd, Jiangsu University. The amount of publication from the ten companies accounts for 13.0% of total patent publications.

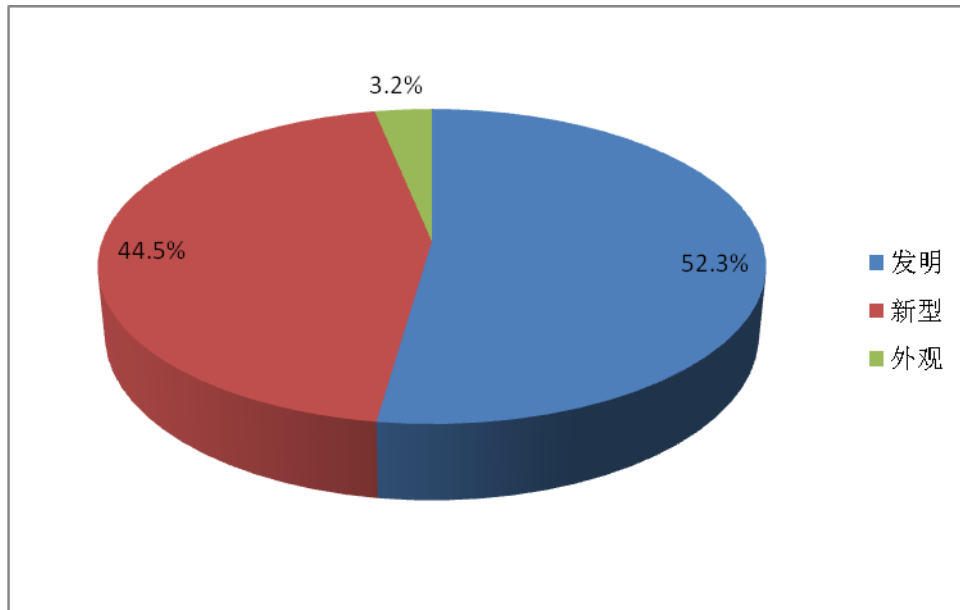
Applicant	Amount of Publication
Beiqi Foton Motor Co., Ltd	23
Shandong University of Technology	19
Great Wall Motor Company	18
Hafei Motor Co., Ltd.	15
Chongqing Changan Automobile Company Limited	14
Shandong Hengfeng Rubber & Plastic Co., Ltd.	10
Toyota Corporation	9
Wuhu Ruichuang Investment Co., Ltd.	7
Anhui Jianghuai Automobile Co., Ltd.	7
Jiangsu University	7

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

##### **4.1 Total Amount Statistics**

8,377 patent publications are disclosed in the steel industry, accounting for 30.7% of total publications. Within, 4,378 invention publications are filed, which accounts for 43.1% of total invention publications.

## 4.2 Type Statistics

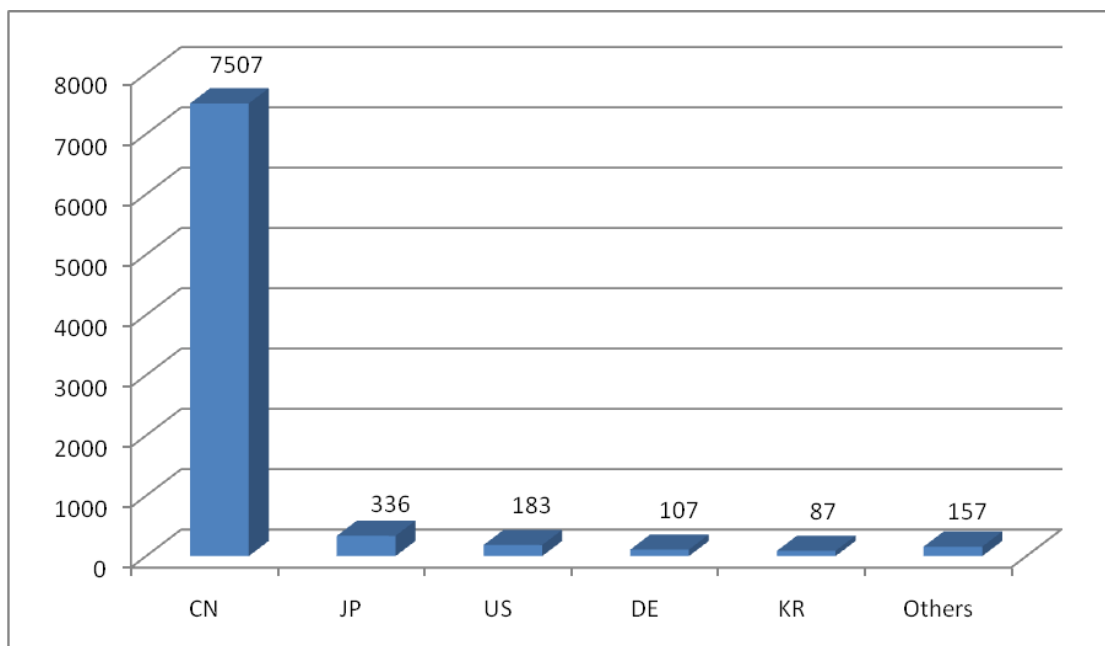


**Fig.4-1. Three Types of Patent Publications in the Steel Industry**

Patent publications in the steel industry involve 4,378 invention patents, accounting for 43.1% of total invention publications; 3,730 utility models, accounting for 46.0% of total utility models; 269 designs, accounting for 3.0% 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	7507
JP	336
US	183
DE	107
KR	87
GB	21
FR	21
NL	17
CH	17
SE	13
FI	11
IT	8
AT	6
BE	5
ZA	5
SG	4
NZ	3
CA	3
MY	3
IL	3
DK	2
ES	2
BM	2
VG	2
AU	2
BR	1
MT	1
IN	1
KY	1
KZ	1
LU	1
CZ	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.

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#### 4.4 Statistics on Applicants

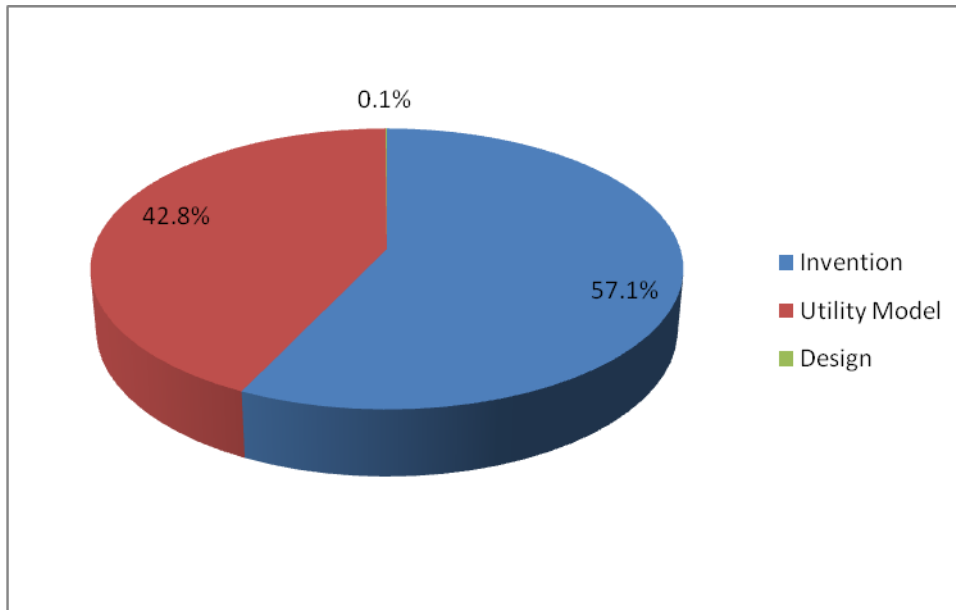
The top ten applicants in the steel industry are: Zhejiang University, Southeast University, Sinopec Group, Baoshan Iron & Steel Co., Ltd, Harbin Institute of Technology, China National Petroleum Corporation, Great Wall Motor Company Limited, Peng Lihong, Beihang University, State Grid Shanghai Electric Power Company. The amount of publication from the top ten applicants accounts for 4.3% of total patent publications.

Applicant	Amount of Publication
Zhejiang University	65
Southeast University	59
Sinopec Group	38
Baoshan Iron & Steel Co., Ltd	36
Harbin Institute of Technology	30
China National Petroleum Corporation	29
Great Wall Motor Company Limited	27
Peng Lihong	26
Beihang University	25
State Grid Shanghai Electric Power Company	23

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

##### 5.1 Total Amount Statistics

1,210 patent publications are disclosed in the nonferrous metal industry, accounting for 4.4% of total publications. Within, 691 invention publications are filed, which accounts for 6.8% of total invention publications.



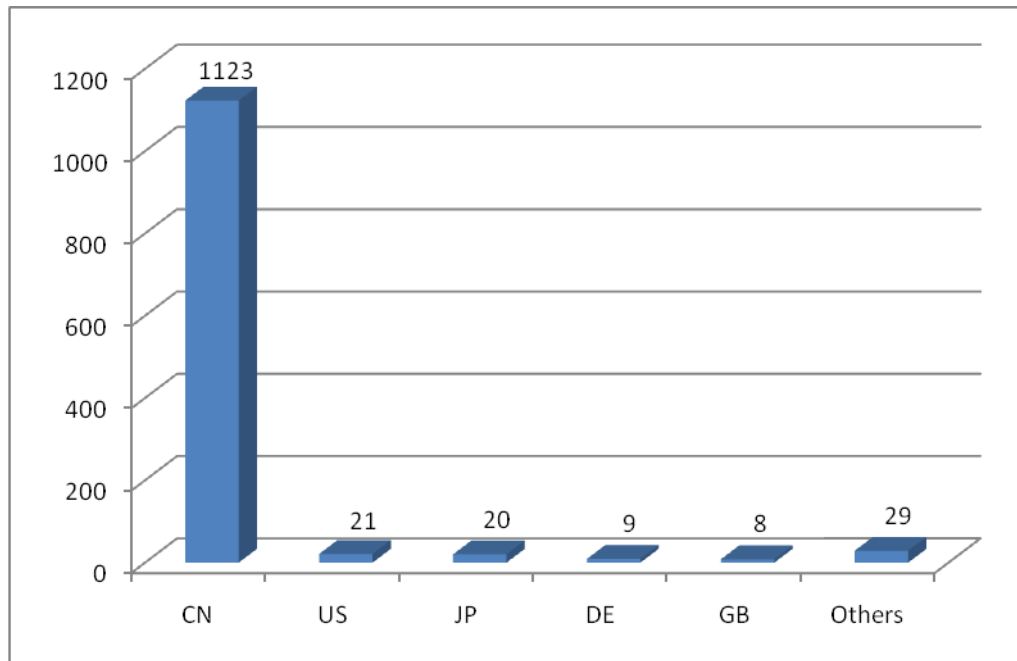
**Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry**

## **5.2 Type Statistics**

Types of patent publications in the nonferrous metal industry are: 691 invention patents, accounting for 6.8% of total invention publications; 518 utility models, accounting for 6.4% of total utility models; 1 design, accounting for 0.01% 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	1123
US	21
JP	20
DE	9
GB	8
KR	6
CH	4
ES	2
NL	2
FI	2
FR	2
IT	2
LU	1
ZA	1
NO	1
MT	1
KZ	1
IN	1
BE	1
MY	1
SE	1

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

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

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

#### 5.4 Statistics on Applicants

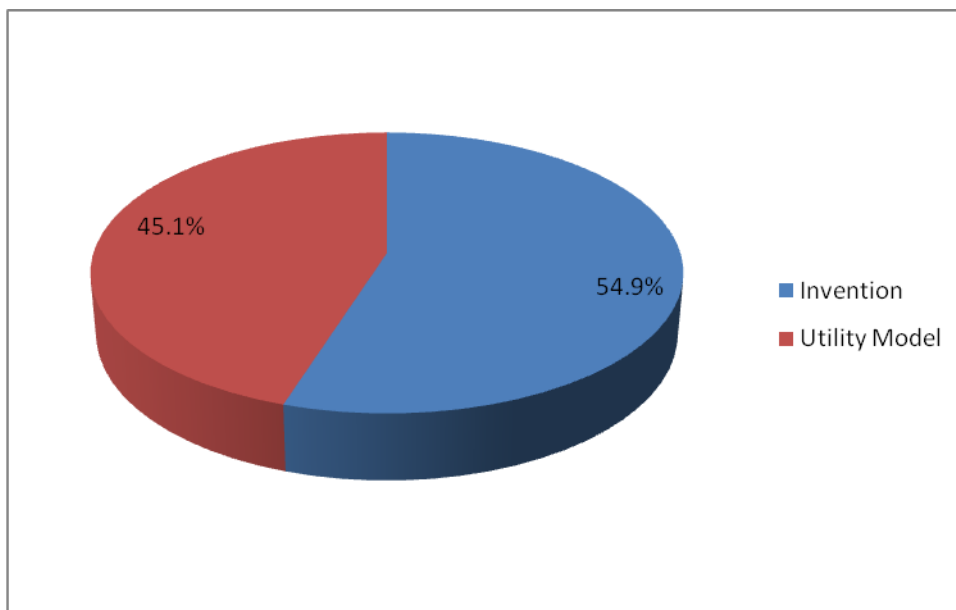
The top 10 applicants in the nonferrous metal industry are: Shanghai Niuyi New Energy Resources Science & Technology Co., Ltd, China National Petroleum Corporation, Sinopec Group, Zhejiang University, Harbin Institute of Technology, Chengdu Feilong water treatment Technology Research Institute, China Metallurgical Group Corp, Shanghai Kexin Bio-technology Co., Ltd, North Material Science and Engineering Research Institute Company Limited, Chengdu Dahongli machinery manufacturing Co., Ltd. The amount of publication from the top ten applicants accounts for 6.8% of total patent publications.

Applicant	Amount of Publication
Shanghai Niuyi New Energy Resources Science & Technology Co., Ltd	16
China National Petroleum Corporation	12
Sinopec Group	8
Zhejiang University	8
Harbin Institute of Technology	7
Chengdu Feilong water treatment Technology Research Institute	7
China Metallurgical Group Corp	6
Shanghai Kexin Bio-technology Co., Ltd	6
North Material Science and Engineering Research Institute Company Limited	6
Chengdu Dahongli machinery manufacturing Co., Ltd	6

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

#### 6.1 Total Amount Statistics

253 patent publications are disclosed in the petrochemical industry, accounting for 0.9% of total publications. Within, 139 invention publications are filed, which accounts for 1.4% of total invention publications.



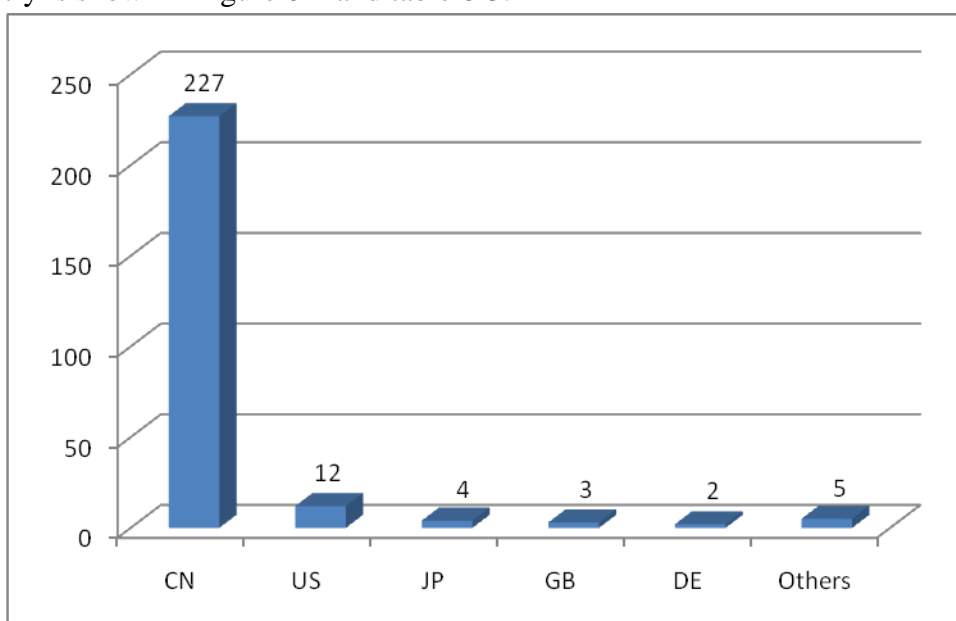
**Fig. 6-1 Types of Patent Publications in the Petrochemical Industry**

## 6.2 Type Statistics

Patent publications in the petrochemical industry involve 139 invention patents, accounting for 1.4% of total invention publications; 114 utility models, accounting for 1.4% of total utility models.

## 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**

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## Petrochemical Industry

Country	Amount of Publication
CN	227
US	12
JP	4
GB	3
DE	2
KZ	1
LU	1
NL	1
VG	1
ZA	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 in the nonferrous metal industry are China, the USA, Japan, Great Britain and Germany.

### 6.4 Statistics on Applicants

The top ten applicants in the petrochemical industry are: Sinopec Group, China National Petroleum Corporation, Lu Xingyan, China Huanqiu Contracting & Engineering Corp, China University of Petroleum, China National Offshore Oil Corporation, Jiangxi Changyu Industrial Co., Ltd, Shengli Oilfield Oil Production Technology Research Institute, Beijing Hailan Tech Development Co., Ltd, Zhang Haicheng. The amount of publication from the top ten applicants accounts for 29.6% of total patent publications.

Applicant	Amount of Publication
Sinopec Group	19
China National Petroleum Corporation	16
Lu Xingyan	7
China Huanqiu Contracting & Engineering Corp	7
China University of Petroleum	6
China National Offshore Oil Corporation	6
Jiangxi Changyu Industrial Co., Ltd	5
Shengli Oilfield Oil Production Technology Research Institute	3
Beijing Hailan Tech Development Co., Ltd	3
Zhang Haicheng	3

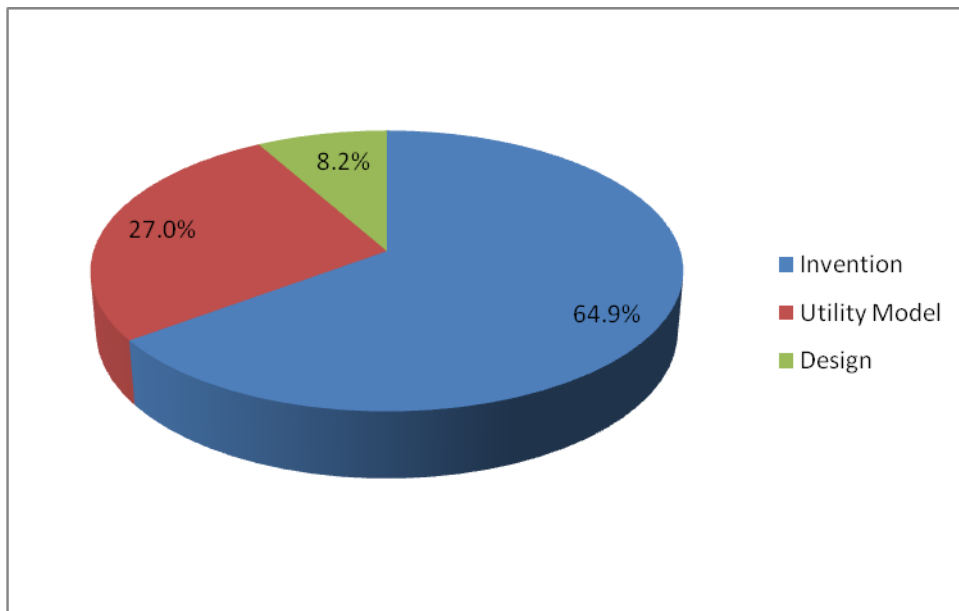
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## 7. Statistics on Patent Publications in the Electronic Information

### Industry

#### 7.1 Total Amount Statistics

4,917 patent publications are disclosed in the electronic information industry, accounting for 18.0% of total publications. Within, 3,189 invention publications are filed, which accounts for 31.4% of total invention publications.



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

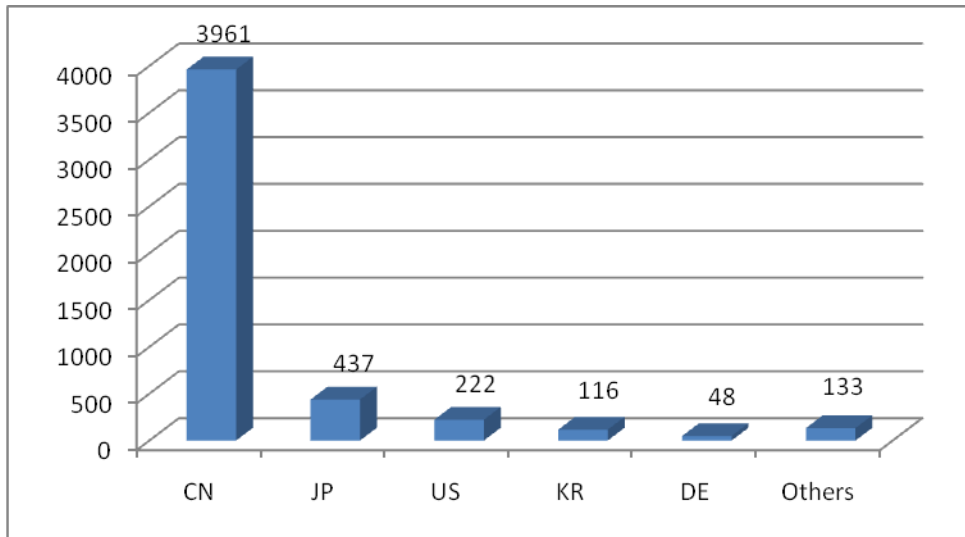
#### 7.2 Type Statistics

Patent publications in the electronic information industry involve 3,189 invention patents, accounting for 31.4% of total invention publications; 1,326 utility models, accounting for 16.4% of total utility models; and 402 designs, accounting for 4.5% 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	3961
JP	437
US	222
KR	116
DE	48
NL	26
FR	18
SE	15
GB	12
FI	11
SG	7
CA	5
DK	5
IT	5
IE	4
CH	4
IL	3
KY	3
VG	2
IN	2
NZ	2
AT	2
ZA	1
BM	1
AU	1
NO	1

ES	1
BR	1

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

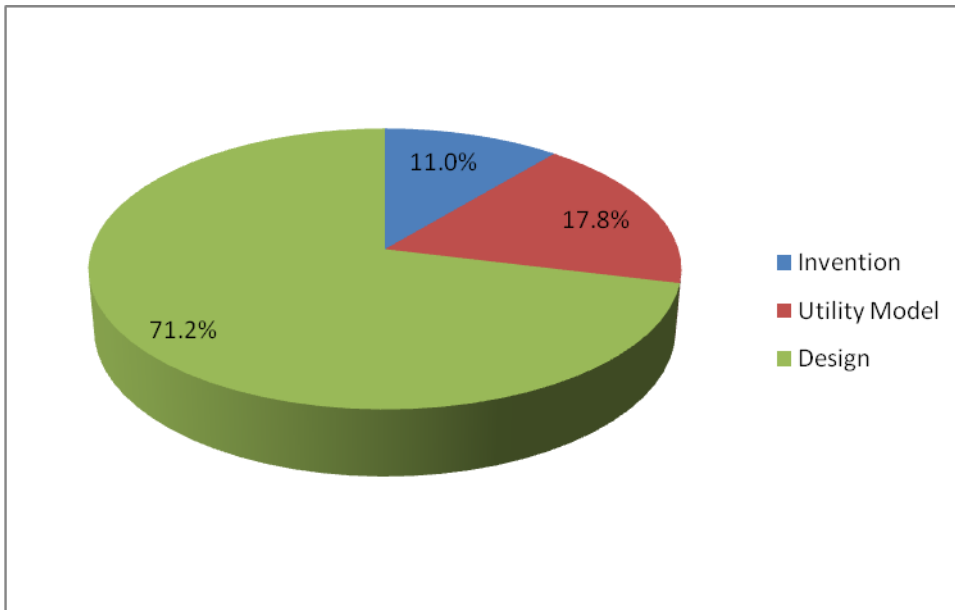
The top ten applicants in the electronic information industry are: ZTE Corporation, Sony Corporation, Huawei Technologies, Telecom Science and Technology Institute, Microsoft Corporation, Hu Aoxiang, LG, Hon Hai Precision Industry Co. Ltd, Sharp Corporation, Panasonic Corporation. The amount of publication from the top ten applicants accounts for 9.6% of total patent publications.

Applicant	Amount of Publication
ZTE Corporation	123
Sony Corporation	51
Huawei Technologies	45
Telecom Science and Technology Institute	44
Microsoft Corporation	41
Hu Aoxiang	38
LG	34
Hon Hai Precision Industry Co. Ltd	33
Sharp Corporation	32
Panasonic Corporation	32

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

### **8.1 Total Amount Statistics**

1,765 patent publications are disclosed in the textile industry, accounting for 6.5% of the total publications. Within, 195 invention publications are filed, which accounts for 1.9% of the total invention publications.



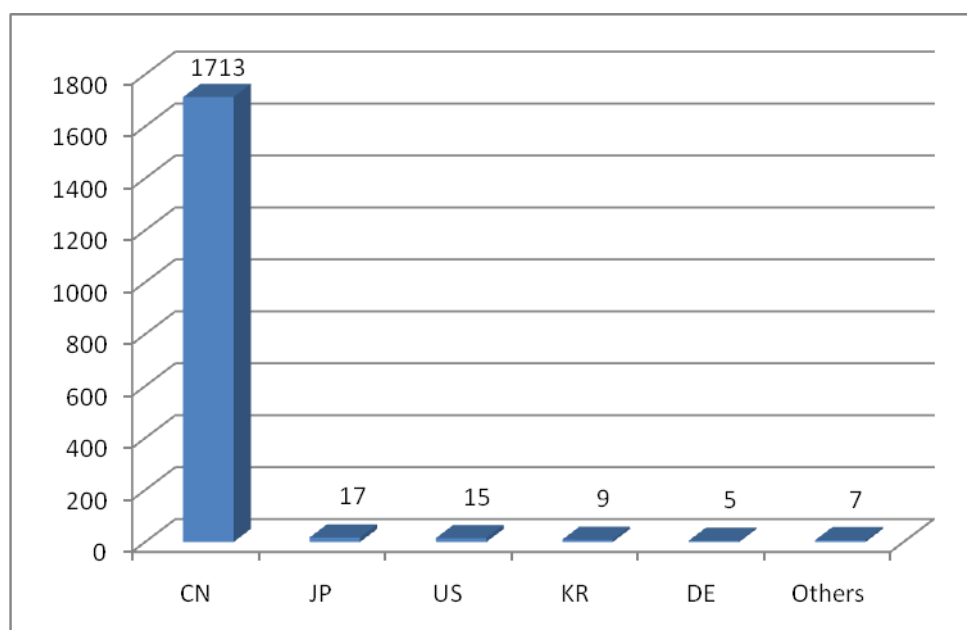
**Fig. 8-1 Three Types of Patent Publication in the Textile Industry**

## 8.2 Type Statistics

Patent publications in the textile industry involve 195 invention patents, accounting for 1.9 % of total invention publications; 314 utility models, accounting for 3.9% of total utility models; 1,256 designs, accounting for 14.0% 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	1713
JP	17
US	15
KR	9
DE	5
IT	2
CH	2
AU	1
NL	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, South Korea and Germany.

#### 8.4 Statistics on Applicants

The top ten principal applicants in the textile industry are: Wuxi Huawei Garments Factory, Zhu Zhengxi, Wujiang Zhongshi Garments Co., Ltd, Jiangsu Senbao Garments Co., Ltd, Wuxi Lianhong Textile Co., Ltd, Wujiang Yinshan Textile Co., Ltd, Suzhou Youman Garments Co., Ltd, Zhu Yugen, Wuhu Huayang Garments Group, Shanghai Yuxu Garments Co., Ltd. The amount of publication from the top ten applicants accounts for 33.5% of total patent publications.

Applicant	Amount of Publication
Wuxi Huawei Garments Factory	89
Zhu Zhengxi	81
Wujiang Zhongshi Garments Co., Ltd.	66
Jiangsu Senbao Garments Co., Ltd.	57
Wuxi Lianhong Textile Co., Ltd.	52
Wujiang Yinshan Textile Co., Ltd.	52
Suzhou Youman Garments Co., Ltd.	51
Zhu Yugen	49
Wuhu Huayang Garments Group	48
Shanghai Yuxu Garments Co., Ltd.	47