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**STATISTICS ON CHINESE PATENT PUBLICATIONS**

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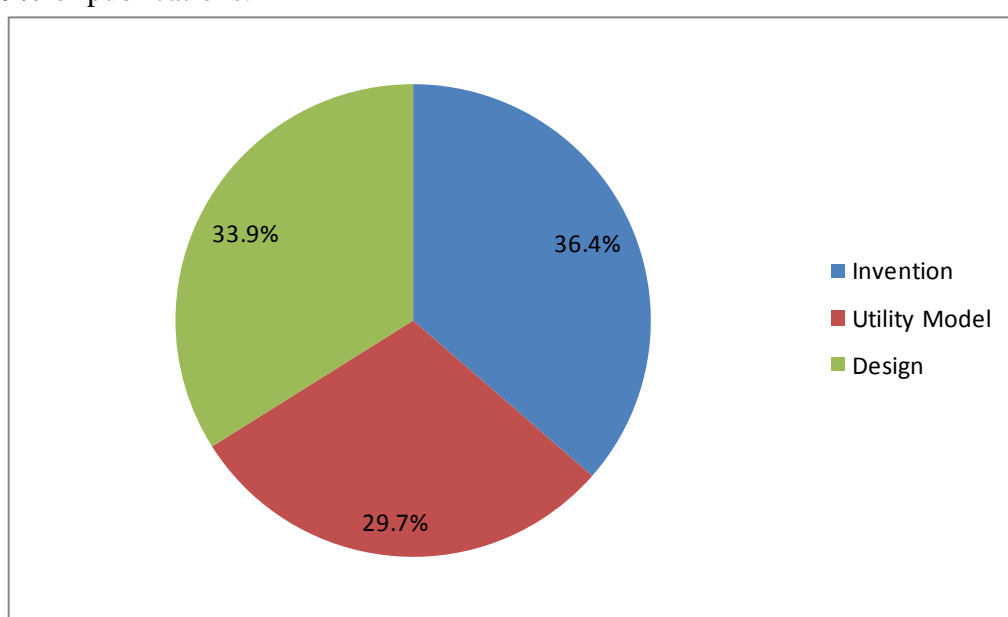
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## 1. Weekly Report on General Status of Chinese Patent Application

26,868 Chinese patents are published in this week, including 9,776 invention patents, 7,980 utility models and 9,112 designs, respectively accounting for 36.4%, 29.7% and 33.9% of publications.

### 1.1 Summary on Weekly Patent Publications

26,868 Chinese patents are published in this week, including 9,776 invention patents, 7,980 utility models and 9,112 designs, respectively accounting for 36.4%, 29.7% and 33.9% of publications.



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

China's top seven patent publication rankings: steel (8,163 patent publications), electronic information (4,964 patent publications), textile (1,843 patent publications), nonferrous metal (1,168 patent publications), automobile (998 patent publications), petroleum chemical industry (384 patent publications) and shipbuilding (74 patent publications).

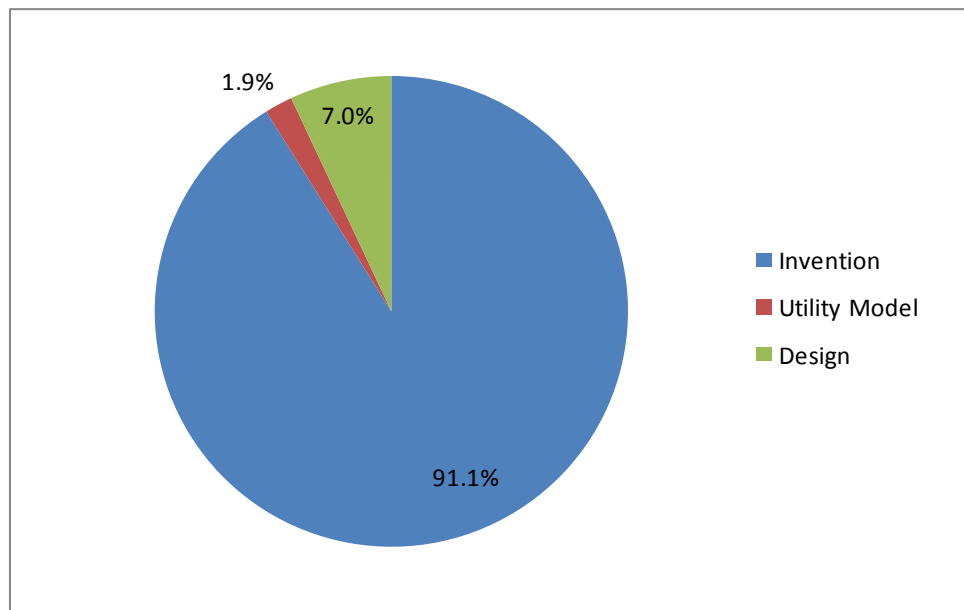
### 1.3. Weekly Report on Applicants

23,576 Chinese patents are disclosed this week, which accounts for 87.7% of total publications. Foreign applications take 12.3% of total publications, generally from Japan (1,167 patents, accounting for 4.3%), the USA (794 patents, accounting for 3.0%), and Germany (351 patents, accounting for 1.3%). 980 patents are from other countries, accounting for 3.6%.

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

3,292 patents are submitted by foreigners, including 2,999 inventions, 63 utility models and 230 designs, which respectively accounts for 91.1%, 1.9% and 7.0% of total applications.



### 2.1 Statistics on US Patent Applications

794 US patent applications are published in China, including 714 inventions, 26 utility models, and 54 designs, respectively accounting for 89.9%, 3.3% and 6.8% of total publications.

US patent publications refer to the following fields: electronic information (268 patents), steel (266 patents), nonferrous metals (35 patents), automobile (35 patents), petrochemical industry (17 patents) and textiles (14 patents) and shipbuilding (1 patent publication).

### 2.2 Statistics on JP Patent Applications

1,167 JP patent applications are published in China, including 1,080 inventions, accounting for 92.5% of total publication; 16 utility models, accounting for 1.4% of total publication; and 71 designs, accounting for 6.1% of total publication.

JP patent publications refer to the following fields: electronic information (551 patents), steel (480 patents), automobile (79 patents), nonferrous metals (37 patents),

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textiles (16 patents), petrochemical industry (6 patents) and shipbuilding (3 patent publication).

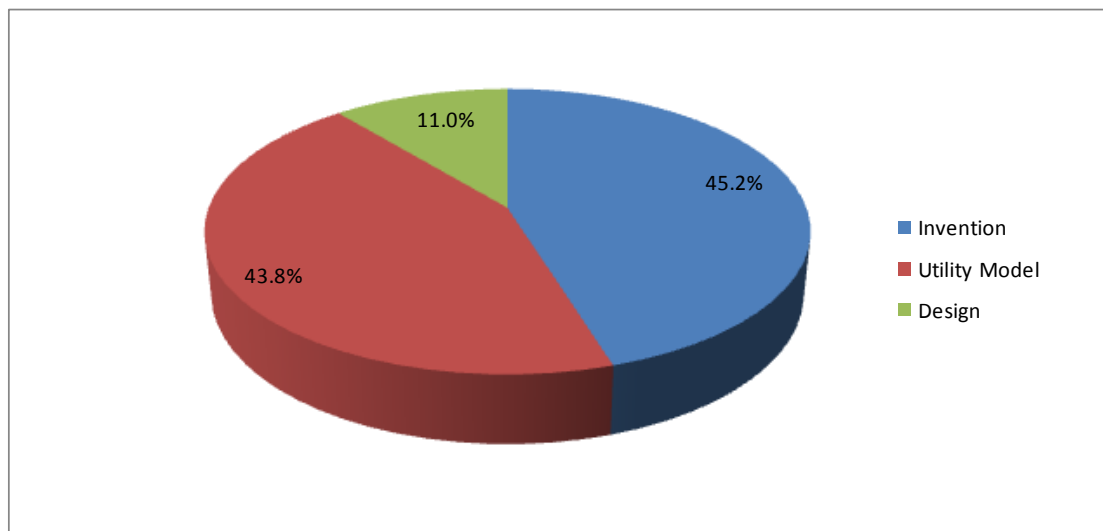
### 3. Statistics on Patent Publications in the Auto Industry

#### 3.1. Total Amount Statistics

998 patent publications are disclosed in the auto industry, accounting for 3.7% of total publications. Within, 451 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

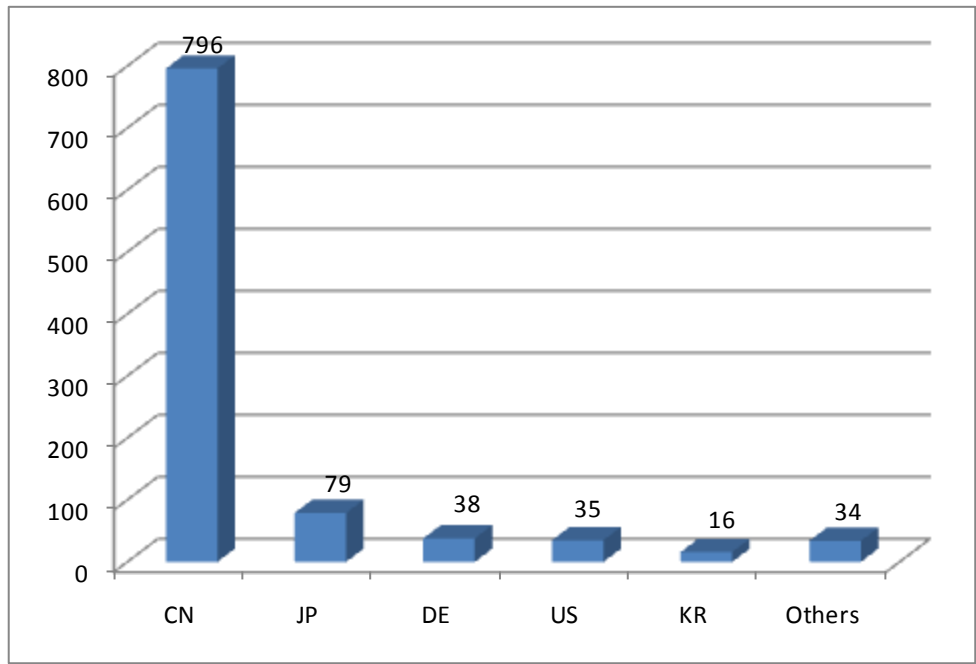


**Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry**

Types of patent publications in the auto industry are: 451 invention patents, accounting for 4.6% of total invention publications; 437 utility models, accounting for 5.5% of total utility models; 110 designs, accounting for 1.2% 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	796
JP	79
DE	38
US	35
KR	16
FR	7
NL	5
SE	5
IT	4
GB	3
CA	2
LU	2
CH	2
FI	2
MY	1
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 South Korea.

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### 3.4 Statistics on Applicants

The top ten applicants in the auto industry are Zhejiang Geely Holding Group Co Ltd, Zhejiang Geely Automobile Res Academy, Zhejiang Geely Automobile Res Academy, Wu Zhiqiang, Toyota, General Motors(GM) Global Tech Operations Inc, Sinopec, SAIC Motor Corporation, Zhou Ruming, Sumitomo. The amount of publication from the ten companies accounts for 11.0% of total patent publications.

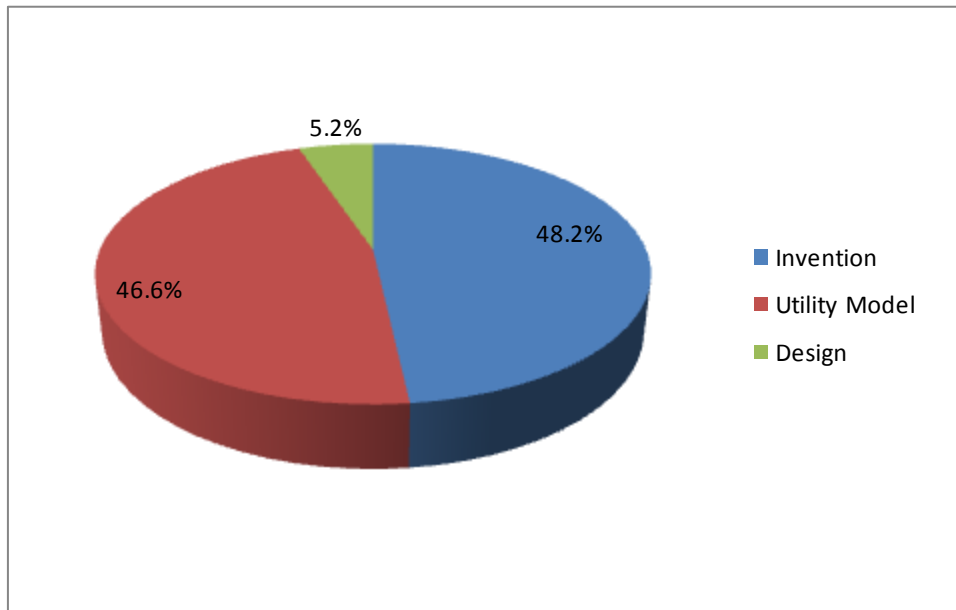
Applicant	Amount of Publication
Zhejiang Geely Holding Group Co Ltd	23
Zhejiang Geely Automobile Res Academy	16
Zhejiang Geely Automobile Res Academy	13
Wu Zhiqiang	11
Toyota	10
General Motors(GM) Global Tech Operations Inc	9
Sinopec	8
SAIC Motor Corporation	7
Zhou Ruming	7
Sumitomo	6

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

### 4.1 Total Amount Statistics

8,163 patent publications are disclosed in the steel industry, accounting for 30.4% of total publications. Within, 3,938 invention publications are filed, which accounts for 40.3% of total invention publications.

## 4.2 Type Statistics

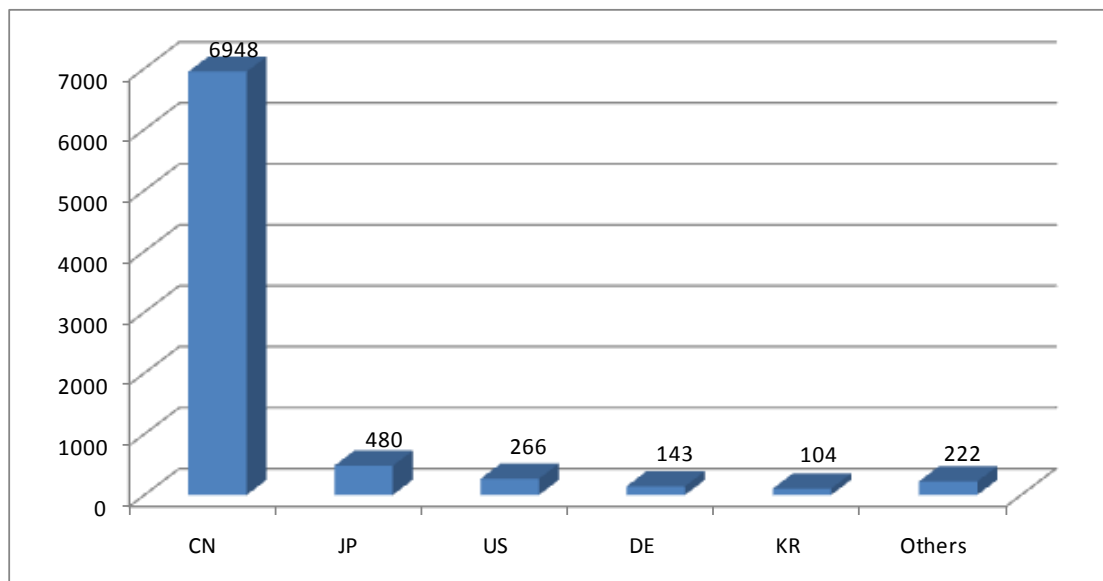


**Fig.4-1. Three Types of Patent Publications in the Steel Industry**

Patent publications in the steel industry involve 3,938 invention patents, accounting for 40.3% of total invention publications; 3,803 utility models, accounting for 47.7% of total utility models; 422 designs, accounting for 4.6% 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	6948
JP	480
US	266
DE	143
KR	104
FR	39
NL	38
CH	24
GB	23
SE	13
FI	11
IT	10
AU	7
CA	6
IL	6
AT	6
VG	5
BE	4
BR	3
DK	3
ES	3
SG	3
LU	3
NO	2
CY	2
IE	2
LI	2
EE	1
IN	1
PH	1
NZ	1
MX	1
WS	1
TR	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

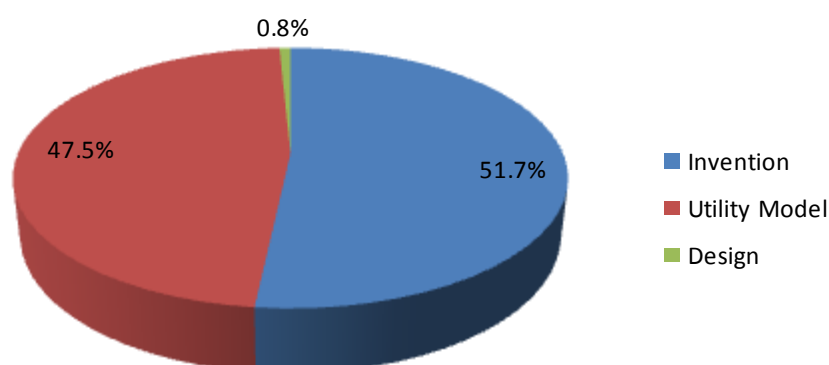
The top ten applicants in the steel industry are Sinopec, Sinopec Fushun Research Institute of Petroleum and Petrochemicals, Hon Hai Precision Industry Co Ltd, PetroChina, Zhang Xiao, Foxconn (Kunshan) Computer Connector Co Ltd, Wuxi Hualian Precision Machinery Co Ltd, Jinchuan Group Ltd (JNMC), Baoshan Iron & Steel, Hongfujin Prec(Shenzhen) Ind. The amount of publication from the top ten applicants accounts for 7.3% of total patent publications.

Applicant	Amount of Publication
Sinopec	128
Sinopec Fushun Research Institute of Petroleum and Petrochemicals	83
Hon Hai Precision Industry Co Ltd	80
PetroChina	74
Zhang Xiao	57
Foxconn (Kunshan) Computer Connector Co Ltd	42
Wuxi Hualian Precision Machinery Co Ltd	37
Jinchuan Group Ltd (JNMC)	35
Baoshan Iron & Steel	32
Hongfujin Prec(Shenzhen) Ind	31

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

#### 5.1 Total Amount Statistics

1,168 patent publications are disclosed in the nonferrous metal industry, accounting for 4.3% of total publications. Within, 604 invention publications are filed, which accounts for 6.2% of total invention publications.



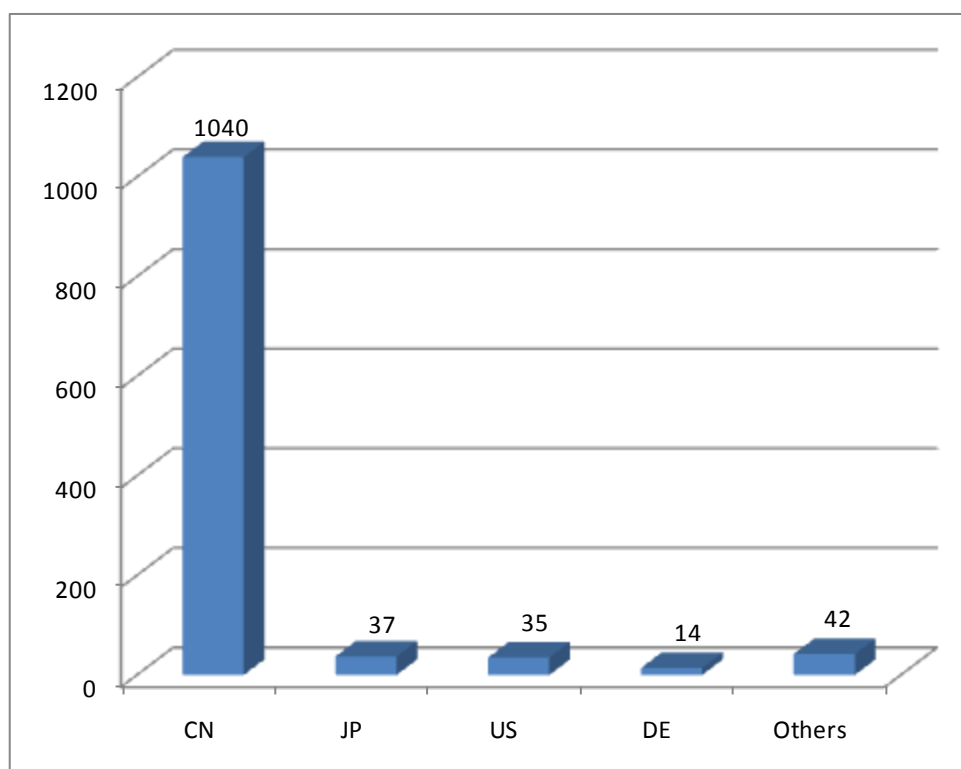
**Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry**

## 5.2 Type Statistics

Types of patent publications in the nonferrous metal industry are: 604 invention patents, accounting for 6.2% of total invention publications; 555 utility models, accounting for 7.0% of total utility models; 9 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	1040
JP	37
US	35
DE	14
FR	8
KR	8
GB	5
NL	3
CA	3

FI	2
IT	2
AU	2
DK	2
ZA	1
IN	1
IL	1
SE	1
BR	1
ES	1
BE	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 metal industry are China, Japan, the USA and Germany.

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

The top 10 applicants in the nonferrous metal industry are: Sinopec, PetroChina, Sinopec Fushun Research Institute of Petroleum and Petrochemicals, Jinchuan Group Ltd (JNMC), Wujiang Seiko Aluminum Word Manufactory, Sinopec Beijing Research Institute of Chemical Engineering, Tianjin Jinlong Welding Materials Co Ltd, Hu Zhong, Feng Ruoyu, Shanghai Fengxin Environmental Technology Co Ltd. The amount of publication from the top ten applicants accounts for 14.0% of total patent publications.

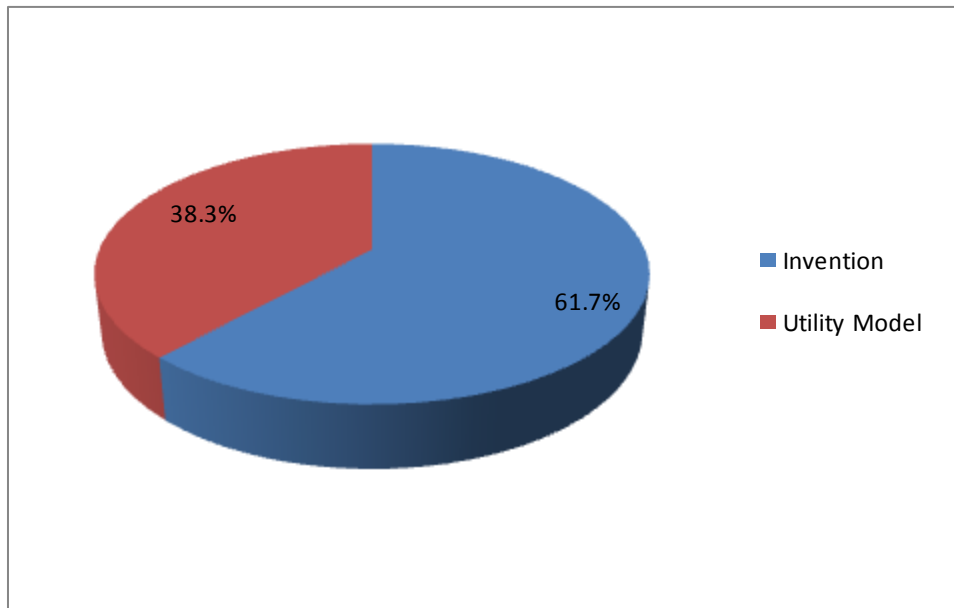
Applicant	Amount of Publication
Sinopec	43
PetroChina	38
Sinopec Fushun Research Institute of Petroleum and Petrochemicals	22
Jinchuan Group Ltd (JNMC)	15
Wujiang Seiko Aluminum Word Manufactory	9
Sinopec Beijing Research Institute of Chemical Engineering	8
Tianjin Jinlong Welding Materials Co Ltd	8
Hu Zhong	8
Feng Ruoyu	7
Shanghai Fengxin Environmental Technology Co Ltd	6

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

### 6.1 Total Amount Statistics

384 patent publications are disclosed in the petrochemical industry, accounting for 1.4% of total publications. Within, 237 invention publications are filed, which accounts for 2.4% of total invention publications.



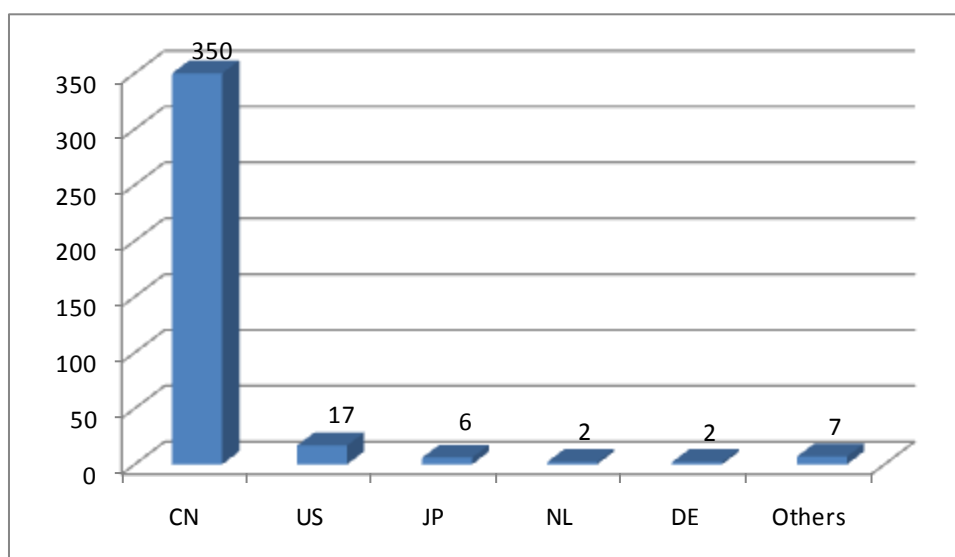
**Fig. 6-1 Types of Patent Publications in the Petrochemical Industry**

### 6.2 Type Statistics

Patent publications in the petrochemical industry involve 237 invention patents, accounting for 2.4% of total invention publications; 147 utility models, accounting for 1.8% 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 Petrochemical Industry**

Country	Amount of Publication
CN	350
US	17
JP	6
NL	2
DE	2
GB	1
KR	1
FR	1
NZ	1
VG	1
CA	1
PH	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, Japan, Holland and Germany.

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

The top ten applicants in the petrochemical industry are: Sinopec, Sinopec Fushun Research Institute of Petroleum and Petrochemicals, PetroChina, SINOPEC Research Institute of Petroleum Processing (RIPP), Dongguan Amer Chemistry Co Ltd, Zhejiang University of Technology, China Metallurgical Group Corporation (MCC),

PetroChina Inst of Well Drilling Engineer, Oil Materials Institute Air Force of The CPLA, China Petroleum Pipeline Bureau (CPP). The amount of publication from the top ten applicants accounts for 57.3% of total patent publications.

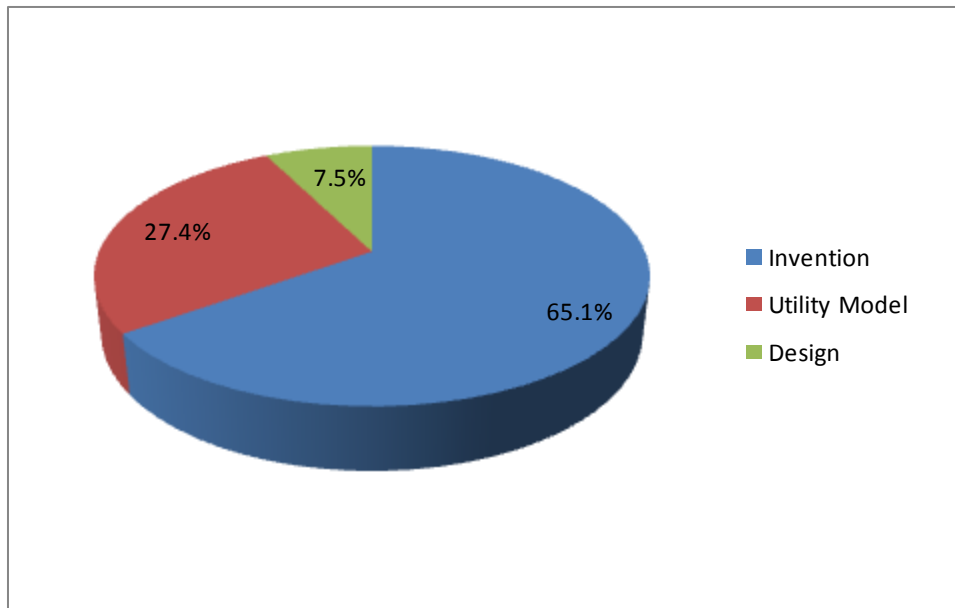
Applicant	Amount of Publication
Sinopec	82
Sinopec Fushun Research Institute of Petroleum and Petrochemicals	59
PetroChina	39
SINOPEC Research Institute of Petroleum Processing (RIPP)	10
Dongguan Amer Chemistry Co Ltd	8
Zhejiang University of Technology	5
China Metallurgical Group Corporation (MCC)	5
PetroChina Inst of Well Drilling Engineer	4
Oil Materials Institute Air Force of The CPLA	4
China Petroleum Pipeline Bureau (CPP)	4

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

### **Industry**

#### **7.1 Total Amount Statistics**

4,964 patent publications are disclosed in the electronic information industry, accounting for 18.5% of total publications. Within, 3,231 invention publications are filed, which accounts for 33.1% of total invention publications.



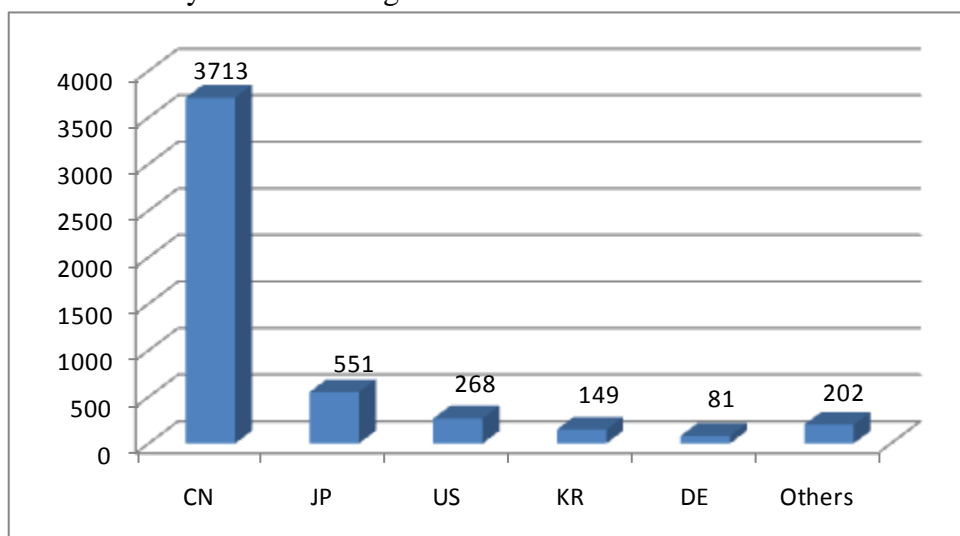
**Fig. 7-1 Three Types of Patent Publication in the Electronic Information Industry**

### 7.2 Type Statistics

Patent publications in the electronic information industry involve 3,231 invention patents, accounting for 33.1% of total invention publications; 1,362 utility models, accounting for 17.1% of total utility models; and 371 designs, accounting for 4.1% 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	3713
JP	551
US	268
KR	149
DE	81
FR	39
SE	29
NL	23
GB	17
CA	15
CH	13
FI	10
IL	10
SG	7
KY	6
AU	5
IT	5
VG	3
IE	3
AT	3
CY	2
ES	2
BE	2
BR	2
DK	2
NO	1
IN	1
BM	1
WS	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, Huawei Technologies Co Ltd, Hon Hai Precision Industry Co Ltd, Sony, Hongfujin Prec(Shenzhen) Ind, Foxconn (Kunshan) Computer Connector Co Ltd, Baidu in Line Network Technology (Beijing) Co Ltd, LG, Institute of Microelectronics of the

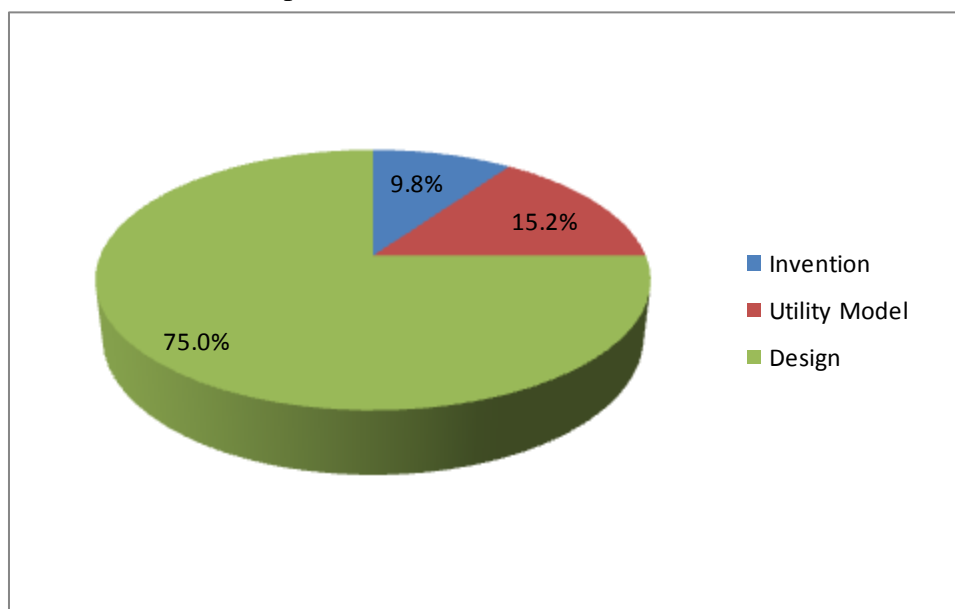
Chinese Academy of Sciences, Inventec Corporation. The amount of publication from the top ten applicants accounts for 13.5% of total patent publications.

Applicant	Amount of Publication
ZTE Corporation	155
Huawei Technologies Co Ltd	105
Hon Hai Precision Industry Co Ltd	98
Sony	77
Hongfujin Prec(Shenzhen) Ind	47
Foxconn (Kunshan) Computer Connector Co Ltd	44
Baidu in Line Network Technology (Beijing) Co Ltd	37
LG	36
Institute of Microelectronics of the Chinese Academy of Sciences	36
Inventec Corporation	35

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

### 8.1 Total Amount Statistics

1,843 patent publications are disclosed in the textile industry, accounting for 6.9% of the total publications. Within, 180 invention publications are filed, which accounts for 1.8% of the total invention publications.



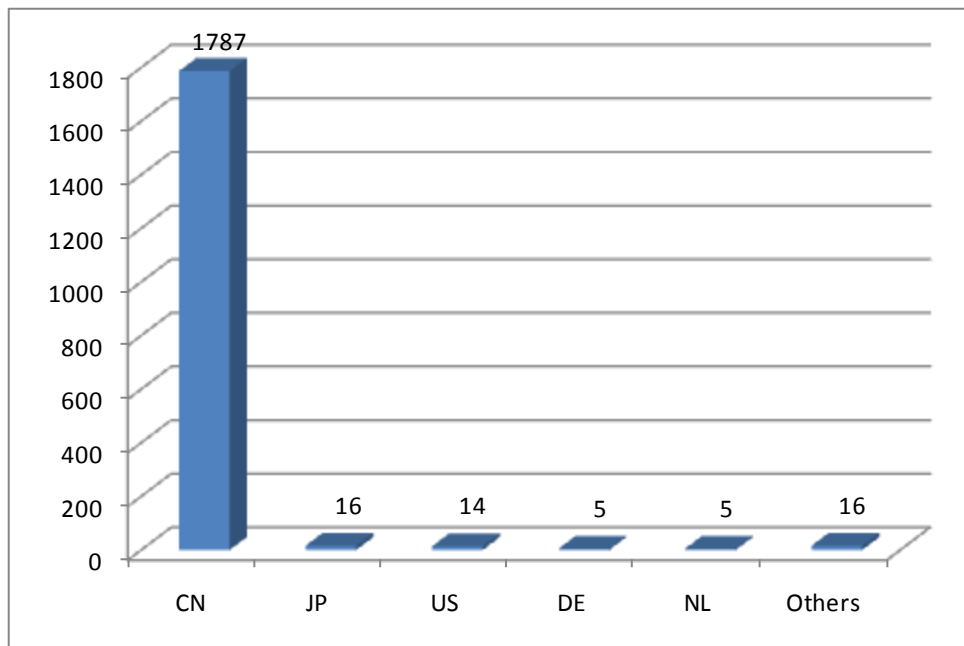
**Fig. 8-1 Three Types of Patent Publication in the Textile Industry**

## 8.2 Type Statistics

Patent publications in the textile industry involve 180 invention patents, accounting for 1.8% of total invention publications; 280 utility models, accounting for 3.5% of total utility models; 1383 designs, accounting for 15.2% 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	1787
JP	16
US	14
DE	5
NL	5
KR	4
IT	3
BE	2
FR	1
AT	1
SG	1
DK	1
CH	1

AU	1
GB	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, Germany and Holland.

#### **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, Jiangsu Fashifei Garments Co Ltd, Yuan Lingfeng, Wujiang Ruifeng Weaving Co Ltd, Suzhou Juyue Garment Co Ltd, Wujiang Sanhui Textile Co Ltd, Wujiang Xinjin Textile Co Ltd, Zhang Mingzhen, Zhu Zhengxi. The amount of publication from the top ten applicants accounts for 32.1% of total patent publications.

Applicant	Amount of Publication
Wujiang Xinxu Plastic shoe Co Ltd	202
Jiangsu Shunyu Texttile Co Ltd	64
Jiangsu Fashifei Garments Co Ltd	58
Yuan Lingfeng	54
Wujiang Ruifeng Weaving Co Ltd	50
Suzhou Juyue Garment Co Ltd	40
Wujiang Sanhui Textile Co Ltd	33
Wujiang Xinjin Textile Co Ltd	31
Zhang Mingzhen	30
Zhu Zhengxi	30