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**STATISTICS ON CHINESE PATENT PUBLICATIONS**

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**Intellectual Property Publishing House**

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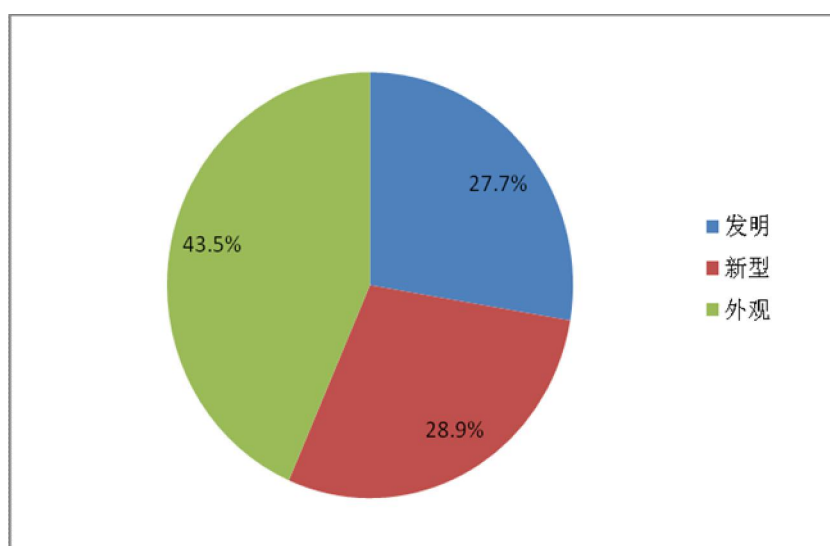
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## 1. Weekly Report on General Status of Chinese Patent Application

20,731 Chinese patents are published in this week, including 5,733 invention patents, 5,990 utility models and 9,008 designs, respectively accounting for 27.7%, 28.9% and 43.5% of publications.

### 1.1 Summary on Weekly Patent Publications

20,731 Chinese patents are published in this week, including 5,733 invention patents, 5,990 utility models and 9,008 designs, respectively accounting for 27.7%, 28.9% and 43.5% of publications.



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

China's top seven patent publication rankings: steel (5,056 patent publications), electronic information (3,597 patent publications), textile (1,203 patent publications), nonferrous metal (832 patent publications), automobile (703 patent publications), petroleum chemical industry (212 patent publications) and shipbuilding (47 patent publications).

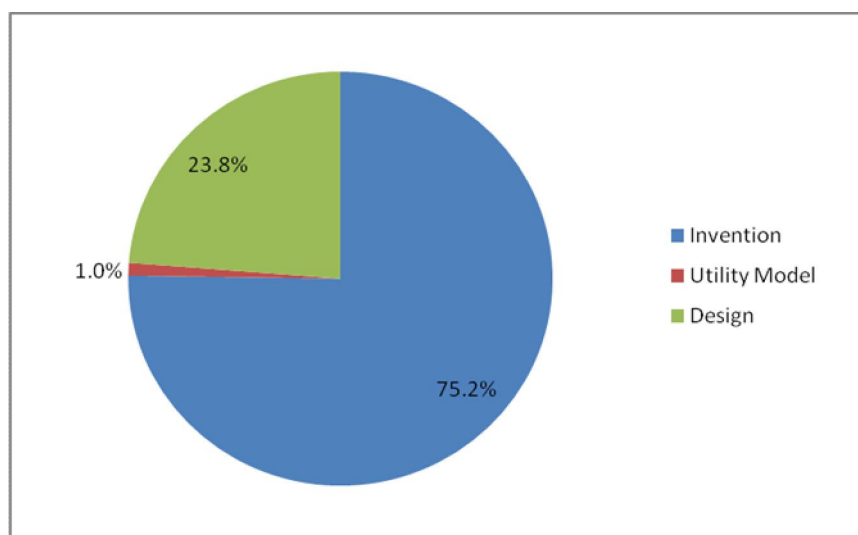
### 1.3. Weekly Report on Applicants

18,821 Chinese patents are disclosed this week, which accounts for 90.8% of total publications. Foreign applications take 9.2% of total publications, generally from Japan (731 patents, accounting for 3.5%), the USA (426 patents, accounting for 2.1%), and Germany (186 patents, accounting for 0.9%). 567 patents are from other countries, accounting for 2.7%.

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

1,910 patents are submitted by foreigners, including 1,437 inventions, 19 utility models and 454 designs, which respectively accounts for 75.2%, 1.0% and 23.8% of total applications.



### 2.1 Statistics on US Patent Applications

426 US patent applications are published in China, including 360 inventions, 9 utility models, and 57 designs, respectively accounting for 84.5%, 2.1% and 13.4% of total publications.

US patent publications refer to the following fields: electronic information (163 patents), steel (116 patents), automobile (24 patents), nonferrous metals (22 patents), petrochemical industry (9 patents), textiles (6 patents) and shipbuilding (3 patents).

### 2.2 Statistics on JP Patent Applications

731 JP patent applications are published in China, including 529 inventions, accounting for 72.4% of total publication; 2 utility models, accounting for 0.3% of total publication; and 200 designs, accounting for 27.4% of total publication.

JP patent publications refer to the following fields: electronic information (306 patents), steel (266 patents), automobile (68 patents), nonferrous metals (32 patents), textiles (5 patents) and petrochemical industry (3 patents).

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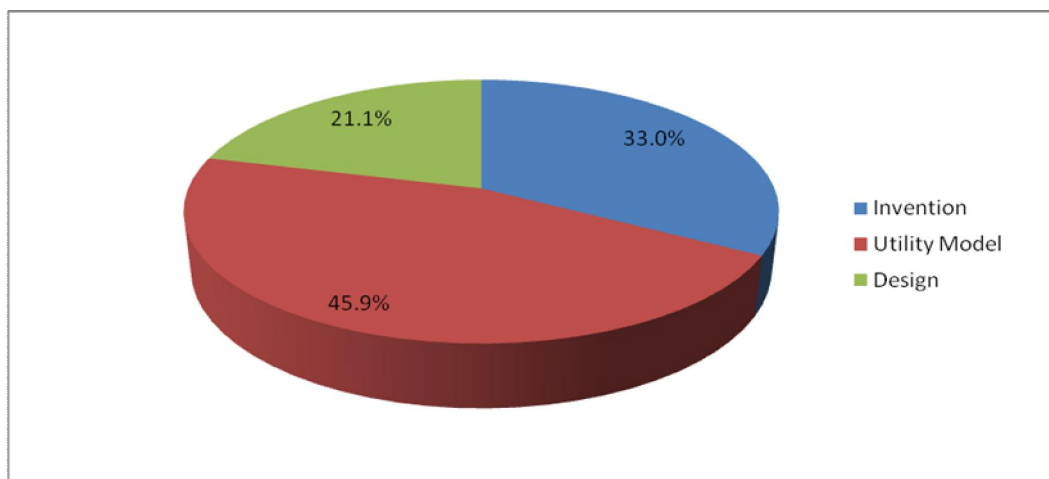
### 3. Statistics on Patent Publications in the Auto Industry

#### 3.1. Total Amount Statistics

703 patent publications are disclosed in the auto industry, accounting for 3.4% of total publications. Within, 232 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

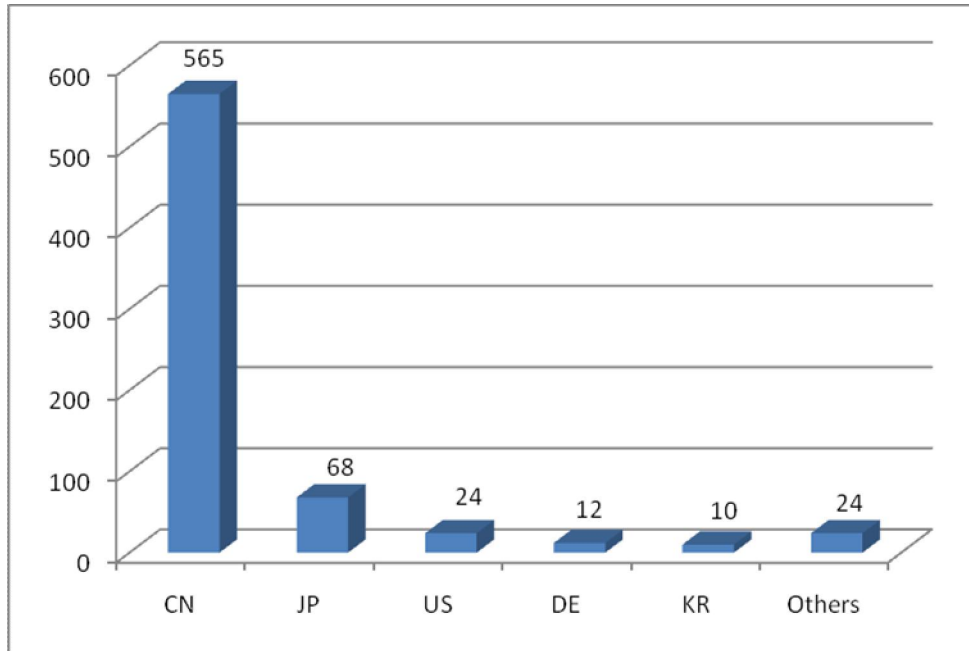


**Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry**

Types of patent publications in the auto industry are: 232 invention patents, accounting for 4.0% of total invention publications; 323 utility models, accounting for 5.4% of total utility models; 148 designs, accounting for 1.6% 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	565
JP	68
US	24
DE	12
KR	10
FR	10
IT	3
CH	3
SE	2
FI	2
IE	1
VG	1
GB	1
LI	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, the USA, Germany and South Korea.

### 3.4 Statistics on Applicants

The top ten applicants in the auto industry are: Zhejiang Jinfei Machinery Group Co.

Ltd, Wujiang Precision Process Machine Co. Ltd., Dongfeng Motor Corporation, YAT Electrical Appliance Co. Ltd., Zhejiang Geely Holding Group Co. Ltd., Great Wall Motor Company Limited, SANYO, Toyota, SB LI Motive Co. Ltd., China International Marine Containers (Group) Ltd. (CIMC)-ZhongJi Vehicle Group Co. Ltd.. The amount of publication from the ten companies accounts for 10.0% of total patent publications.

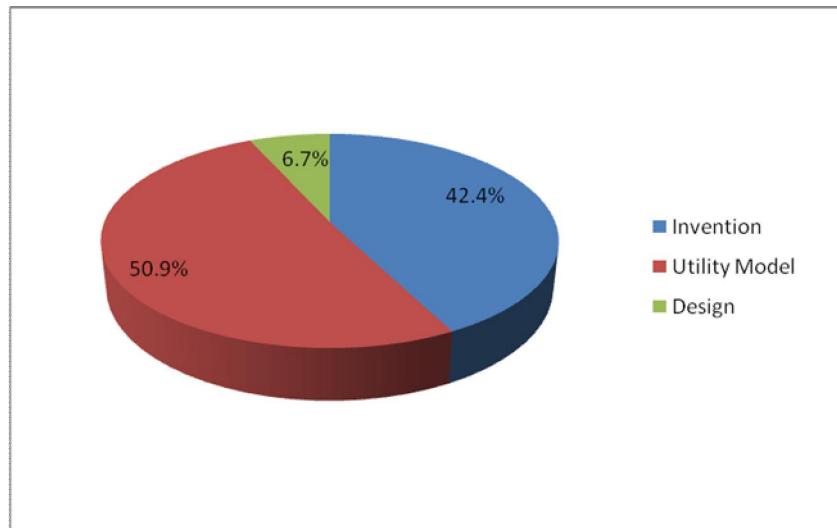
Applicant	Amount of Publication
Zhejiang Jinfei Machinery Group Co. Ltd.	11
Wujiang Precision Process Machine Co. Ltd.	10
Dongfeng Motor Corporation	8
YAT Electrical Appliance Co. Ltd.	7
Zhejiang Geely Holding Group Co. Ltd.	6
Great Wall Motor Company Limited	6
SANYO	6
Toyota	6
SB LI Motive Co. Ltd.	5
China International Marine Containers (Group) Ltd. (CIMC)-ZhongJi Vehicle Group Co. Ltd.	5

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

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

5,056 patent publications are disclosed in the steel industry, accounting for 24.4% of total publications. Within, 2,145 invention publications are filed, which accounts for 37.4% of total invention publications.

## 4.2 Type Statistics

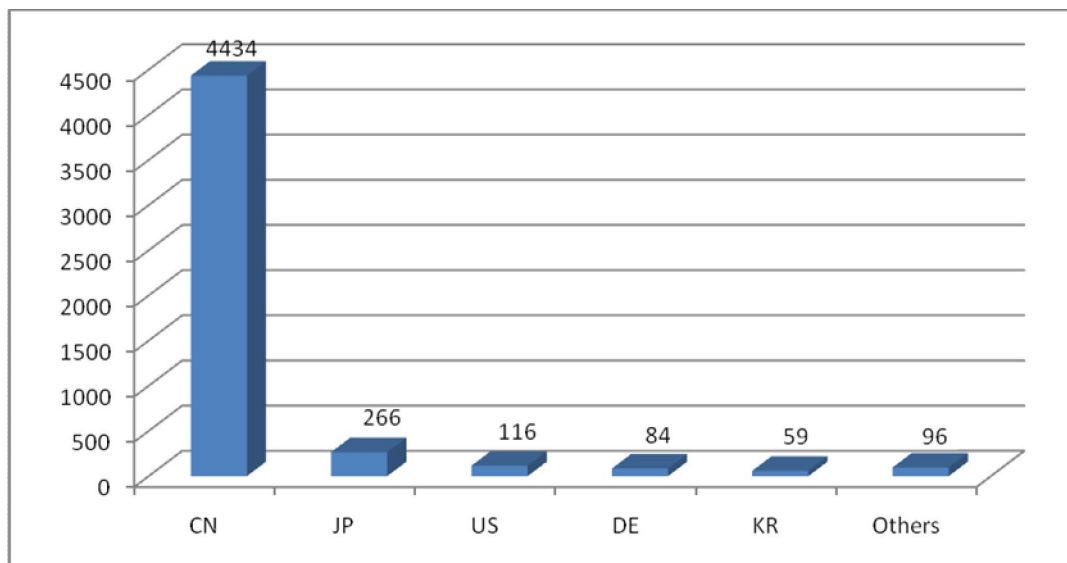


**Fig.4-1. Three Types of Patent Publications in the Steel Industry**

Patent publications in the steel industry involve 5,056 invention patents, accounting for 37.4% of total invention publications; 2,571 utility models, accounting for 42.9% of total utility models; 340 designs, accounting for 3.8% 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	4434



JP	266
US	116
DE	84
KR	59
FR	26
SE	13
GB	9
IT	8
CH	7
NL	7
BE	4
CA	3
AT	3
VE	2
FI	2
BR	2
AU	2
VG	1
LU	1
NO	1
BB	1
MY	1
IE	1
IN	1
SG	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 Wujiang Precision Process Machine Co. Ltd., Hong Fujin Precision Industry (Shenzhen) Co. Ltd., Hon Hai Precision Industry Co. Ltd., PetroChina, Semiconductor Manufacturing International (Shanghai) Corporation, Tsinghua University, Zhejiang University, Shanghai Hua Hong NEC Electronics Company, Ltd., General Motors(GM) Global Tech Operations Inc, Sony. The amount of publication from the top ten applicants accounts for 4.6% of total patent publications.

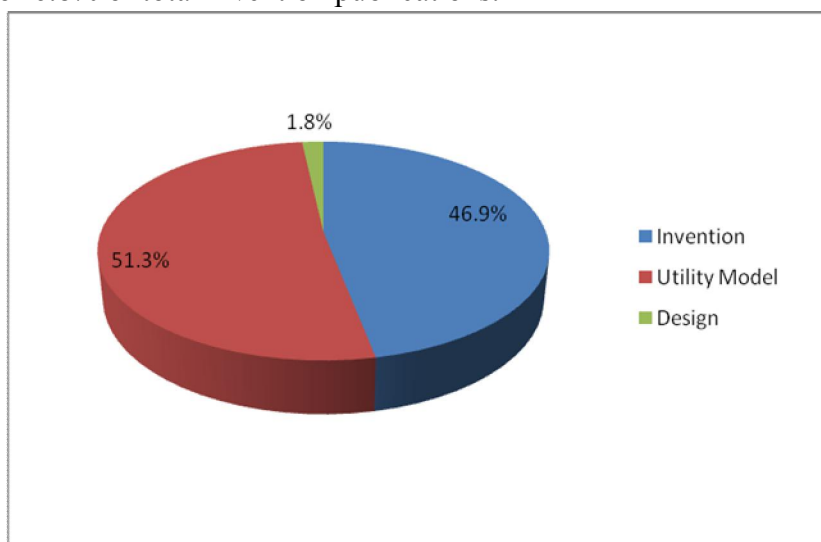
Applicant	Amount of Publication
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Wujiang Precision Process Machine Co. Ltd.	38
Hong Fujin Precision Industry (Shenzhen) Co. Ltd.	38
Hon Hai Precision Industry Co. Ltd.	38
PetroChina	25
Semiconductor Manufacturing International (Shanghai) Corporation	18
Tsinghua University	18
Zhejiang University	16
Shanghai Hua Hong NEC Electronics Company, Ltd.	15
General Motors(GM) Global Tech Operations Inc	15
Sony	13

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

### 5.1 Total Amount Statistics

832 patent publications are disclosed in the nonferrous metal industry, accounting for 4.0% of total publications. Within, 390 invention publications are filed, which accounts for 6.8% of total invention publications.



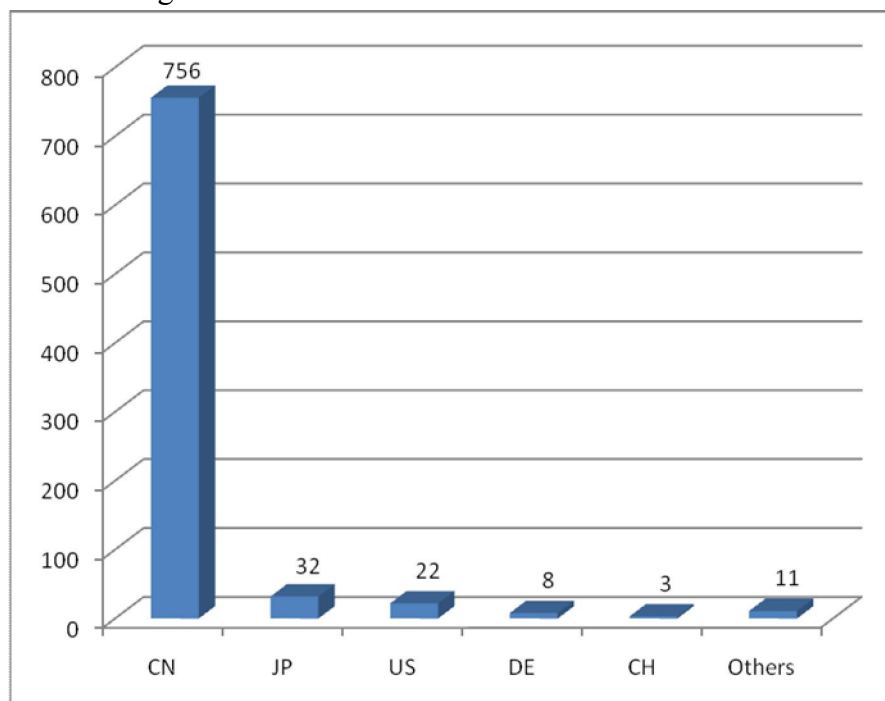
**Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry**

### 5.2 Type Statistics

Types of patent publications in the nonferrous metal industry are: 832 invention patents, accounting for 6.8% of total invention publications; 427 utility models, accounting for 7.1% of total utility models; 15 designs, accounting for 0.2% 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	756
JP	32
US	22
DE	8
CH	3
GB	2
BE	2
AU	1
BR	1
NL	1
VE	1
CA	1
KR	1
IT	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 metal industry are China, Japan, the USA, Germany and Switzerland.

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## 5.4 Statistics on Applicants

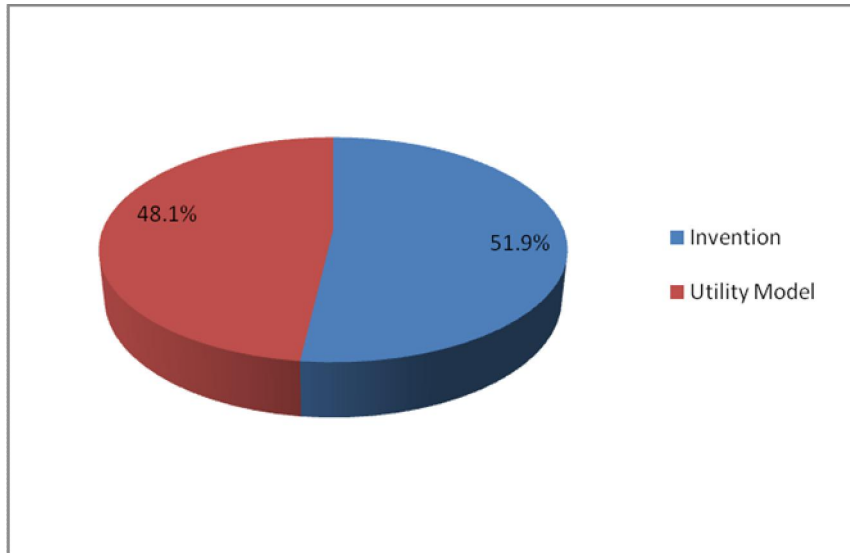
The top 10 applicants in the nonferrous metal industry are: PetroChina, Harbin Institute of Technology (HIT), Sany Group-Sany Heavy Industry Co. Ltd., China National Petroleum Corporation Great Drilling Engineering Company Limited, Daqing Oilfield Co. Ltd., Guiyang Aluminium Magnesium Design & Research Institute (GAMI), China National Petroleum Corporation Bohai Drilling Engineering Company Limited, Li Kesheng, Zhejiang University, Sinopec. The amount of publication from the top ten applicants accounts for 9.3% of total patent publications.

Applicant	Amount of Publication
PetroChina	20
Harbin Institute of Technology (HIT)	9
Sany Group-Sany Heavy Industry Co. Ltd.	8
China National Petroleum Corporation Great Drilling Engineering Company Limited	8
Daqing Oilfield Co.Ltd.	6
Guiyang Aluminium Magnesium Design & Research Institute (GAMI)	6
China National Petroleum Corporation Bohai Drilling Engineering Company Limited	6
Li Kesheng	5
Zhejiang University	5
Sinopec	4

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

### 6.1 Total Amount Statistics

212 patent publications are disclosed in the petrochemical industry, accounting for 1.0% of total publications. Within, 110 invention publications are filed, which accounts for 1.9% of total invention publications.



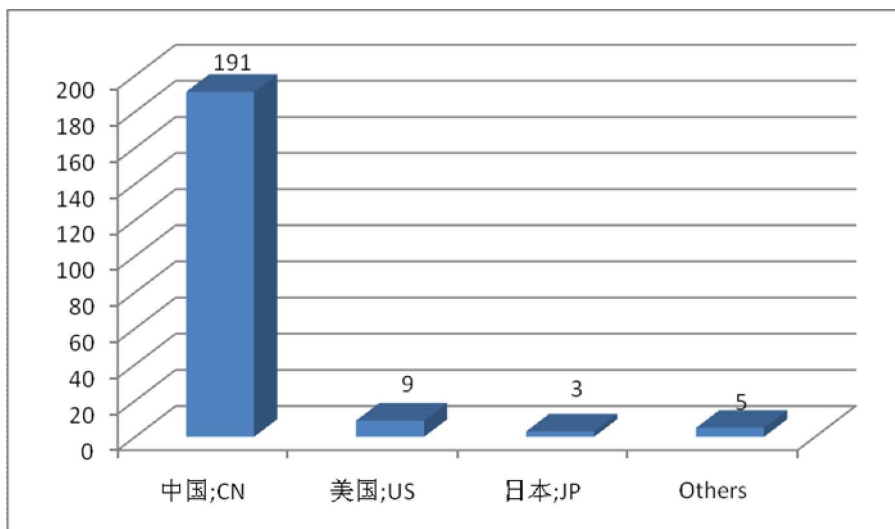
**Fig. 6-1 Types of Patent Publications in the Petrochemical Industry**

### 6.2 Type Statistics

Patent publications in the petrochemical industry involve 110 invention patents, accounting for 1.9% of total invention publications; 102 utility models, accounting for 1.7% 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
中国;CN	191
美国;US	9
日本;JP	3
Others	5

CN	191
US	9
JP	3
NL	2
FR	2
DE	2
VE	1
GB	1
CA	1

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

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

#### 6.4 Statistics on Applicants

The top ten applicants in the petrochemical industry are: PetroChina, Sinopec, China National Petroleum Corporation Great Drilling Engineering Company Limited, Daqing Oilfield Co.Ltd., PetroChina-Daqing Oilfield, Sinopec, Drilling Technology Research Institute of Shengli Petroleum Administration Sinopec Corporation, Sinopec Group, China National Petroleum Corporation Chuanqing Drilling Engineering Company Limited, Shanghai Kena auxiliaries co.Ltd., China National Offshore Oil Corporation (CNOOC), China National Petroleum Corporation Bohai Drilling Engineering Company Limited. The amount of publication from the top ten applicants accounts for 27.4% of total patent publications.

Applicant	Amount of Publication
PetroChina	17
China National Petroleum Corporation Great Drilling Engineering Company Limited	7
PetroChina-Daqing Oilfield	6
Sinopec	5
Drilling Technology Research Institute of Shengli Petroleum Administration Sinopec Corporation	5
Sinopec Group	5
China National Petroleum Corporation Chuanqing Drilling Engineering Company Limited	4
Shanghai Kena auxiliaries co.Ltd.	3
China National Offshore Oil Corporation (CNOOC)	3
China National Petroleum Corporation Bohai Drilling Engineering Company Limited	3

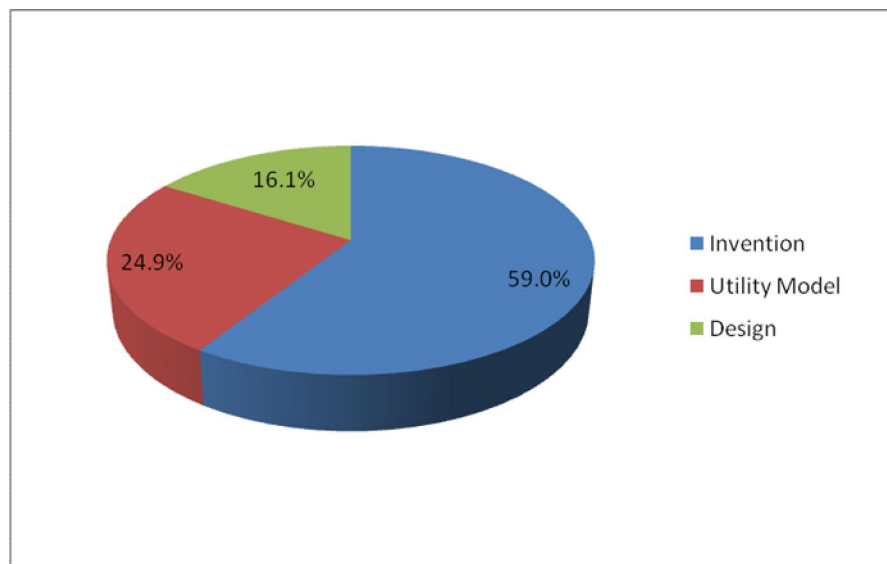
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## 7. Statistics on Patent Publications in the Electronic Information

### Industry

#### 7.1 Total Amount Statistics

3,597 patent publications are disclosed in the electronic information industry, accounting for 17.4% of total publications. Within, 2,122 invention publications are filed, which accounts for 37.0% of total invention publications.



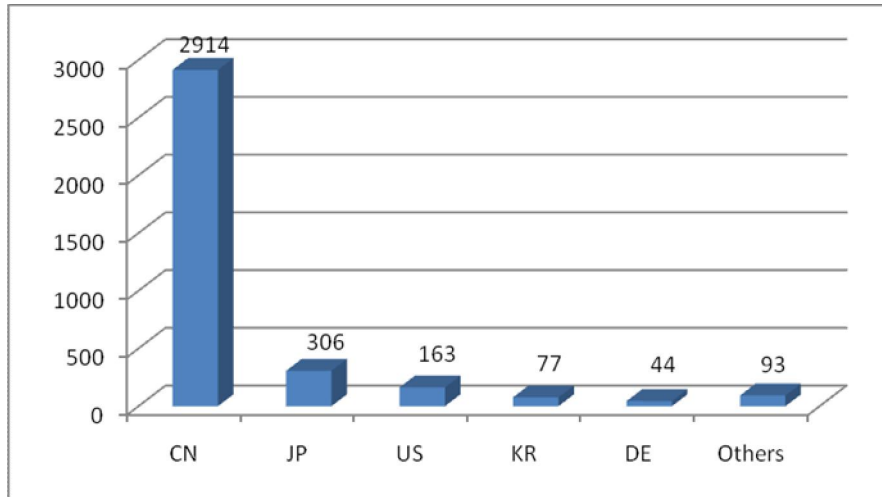
**Fig. 7-1 Three Types of Patent Publication in the Electronic Information Industry**

#### 7.2 Type Statistics

Patent publications in the electronic information industry involve 2,122 invention patents, accounting for 37.0% of total invention publications; 897 utility models, accounting for 15.0% of total utility models; and 578 designs, accounting for 6.4% 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	2914
JP	306
US	163
KR	77
DE	44
FR	18
SE	12
FI	10
NL	9
GB	9
CA	9
KY	6
CH	3
IT	2
IE	2
SG	2
DK	1
BE	1
NO	1
RU	1
SA	1
BB	1
NZ	1
AU	1
ES	1
IL	1
VG	1



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**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.

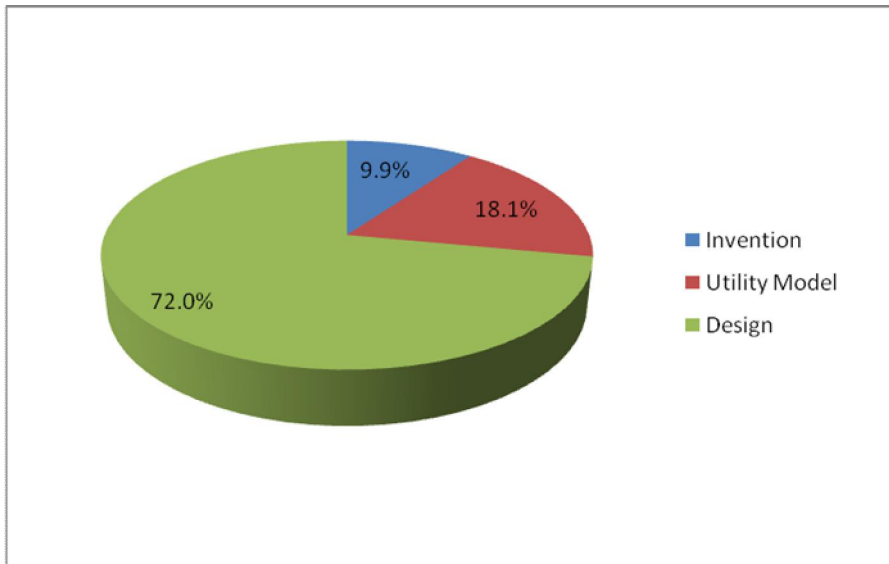
**7.4 Statistics on Applicants**

The top ten applicants in the electronic information industry are: Huawei Technologies Co. Ltd., ZTE Corporation, Hon Hai Precision Industry Co. Ltd., Hongfujin Prec(Shenzhen) Ind, Huawei Device Co. Ltd., Huawei Software Technology Co. Ltd., Sony, Suzhou Codyy Network Science& Technology Co.Ltd., Seiko Epson Corporation, Semiconductor Manufacturing International (Shanghai) Corporation. The amount of publication from the top ten applicants accounts for 15.7% of total patent publications.

Applicant	Amount of Publication
Huawei Technologies Co. Ltd.	217
ZTE Corporation	57
Hon Hai Precision Industry Co. Ltd.	55
Hongfujin Prec(Shenzhen) Ind	53
Huawei Device Co. Ltd.	49
Huawei Software Technology Co. Ltd.	36
Sony	32
Suzhou Codyy Network Science& Technology Co.Ltd.	23
Seiko Epson Corporation	21
Semiconductor Manufacturing International (Shanghai) Corporation	20

**8. Statistics on Patent Publications in the Textile Industry****8.1 Total Amount Statistics**

1,203 patent publications are disclosed in the textile industry, accounting for 5.8% of the total publications. Within, 119 invention publications are filed, which accounts for 2.1% of the total invention publications.



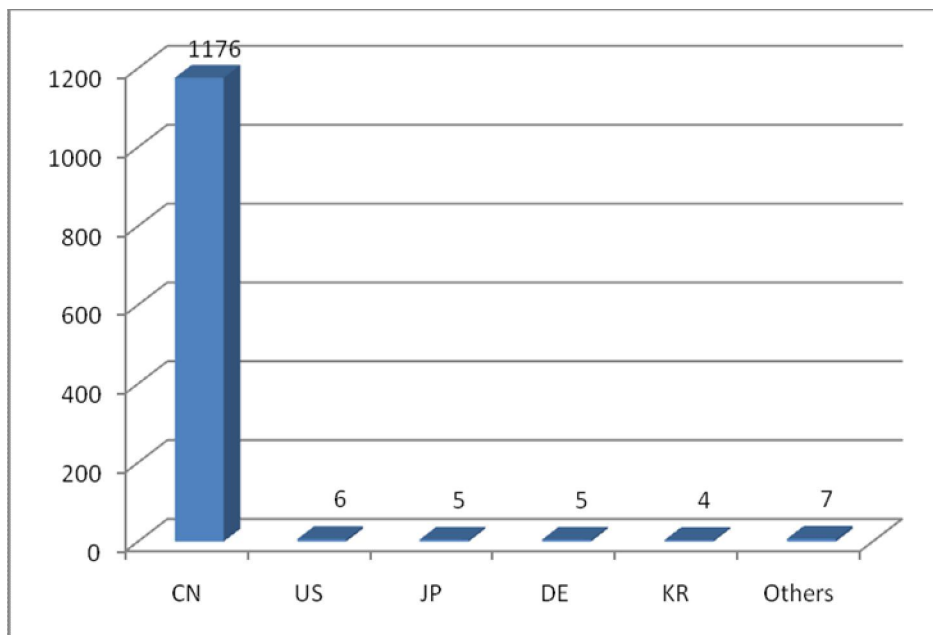
**Fig. 8-1 Three Types of Patent Publication in the Textile Industry**

### 8.2 Type Statistics

Patent publications in the textile industry involve 119 invention patents, accounting for 2.1% of total invention publications; 218 utility models, accounting for 3.6% of total utility models; 866 designs, accounting for 9.6% 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	1176
US	6
JP	5
DE	5
KR	4
ZA	1
CH	1
FR	1
NL	1
BR	1
IT	1
IS	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, the USA, Japan, Germany and South Korea.

#### **8.4 Statistics on Applicants**

The top ten principal applicants in the textile industry are: Suzhou Tianshun Clothing Co. Ltd., Hu Ge, Liu Yuanren, Suzhou city landscape silk Co. Ltd., Suzhou Kennai Clothing Co. Ltd., Cao Laidi, Fan Maolin, Suzhou Yingbao silk Co. Ltd., Taicang Tiancheng Water Washing Plant, Sun Yan. The amount of publication from the top ten applicants accounts for 44.1% of total patent publications.

Applicant	Amount of Publication
Suzhou Tianshun Clothing Co. Ltd.	146
Hu Ge	59
Liu Yuanren	52
Suzhou city landscape silk Co. Ltd.	41
Suzhou Kennai Clothing Co. Ltd.	39
Cao Laidi	38
Fan Maolin	32
Suzhou Yingbao silk Co. Ltd.	31
Taicang Tiancheng Water Washing Plant	28
Sun Yan	28