STATISTICS ON CHINESE PATENT PUBLICATIONS

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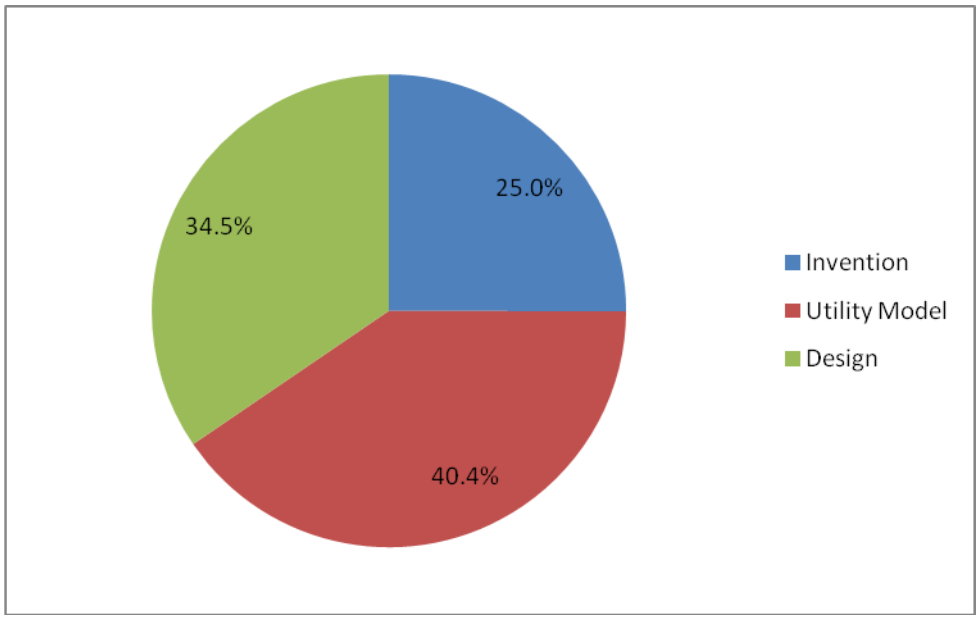
1. Weekly Report on General Status of Chinese Patent Application

17,431 Chinese patents are published in this week, including 4,365 invention patents, 7,050 utility models and 6,016 designs, respectively accounting for 25.0%, 40.4% and 34.5% of publications.

1.1 Summary on Weekly Patent Publications

17,431 Chinese patents are published in this week, including 4,365 invention patents, 7,050 utility models and 6,016 designs, respectively accounting for 25.0%, 40.4% and 34.5% of publications.



1.2 Weekly Report on Technology Status of Patent Publications

China's top seven patent publication rankings: steel (5,058 patent publications), electronic information (2,436 patent publications), textile (1,476 patent publications), nonferrous metal (846 patent publications), automobile (552 patent publications), petroleum chemical industry (196 patent publications) and shipbuilding (40 patent publications).

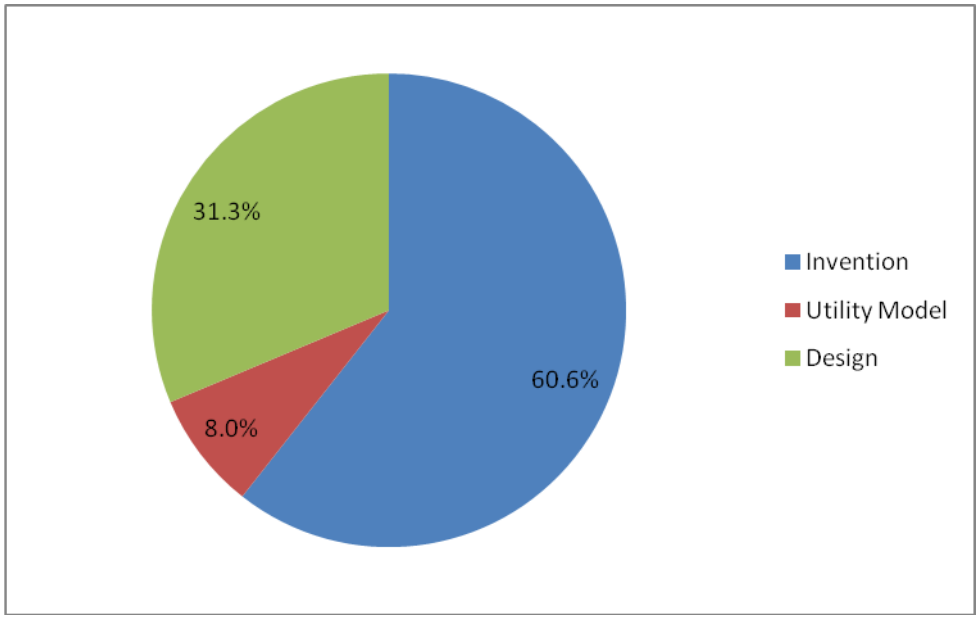
1.3. Weekly Report on Applicants

16,735 Chinese patents are disclosed this week, which accounts for 96.0% of total publications. Foreign applications take 4.0% of total publications, generally from the USA (206 patents, accounting for 1.2%), Japan (197 patents, accounting for 1.1%) and Germany (62 patents, accounting for 0.4%). 231 patents are from other countries,

accounting for 1.3%.

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

696 patents are submitted by foreigners, including 422 inventions, 56 utility models and 218 designs, which respectively accounts for 60.6%, 8.0% and 31.3% of total applications.



2.1 Statistics on US Patent Applications

206 US patent applications are published in China, including 151 inventions, 22 utility models, and 33 designs, respectively accounting for 73.3%, 10.7% and 16.0% of total publications.

US patent publications refer to the following fields: electronic information (69 patents),steel (67 patents), nonferrous metals (8 patents), automobile (5 patents), petrochemical industry (5 patents).

2.2 Statistics on JP Patent Applications

197 JP patent applications are published in China, including 95 inventions, accounting for 48.2% of total publication; 10 utility models, accounting for 5.1% of total publication; and 92 designs, accounting for 46.7% of total publication.

JP patent publications refer to the following fields: electronic information (67 patents),

steel (63 patents), automobile (19 patents), nonferrous metals (4 patents), textiles (2 patents).

3. Statistics on Patent Publications in the Auto Industry

3.1. Total Amount Statistics

552 patent publications are disclosed in the auto industry, accounting for 3.2% of total publications. Within, 151 invention publications are filed, which accounts for 3.5% of total invention publications.

3.2 Type Statistics

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

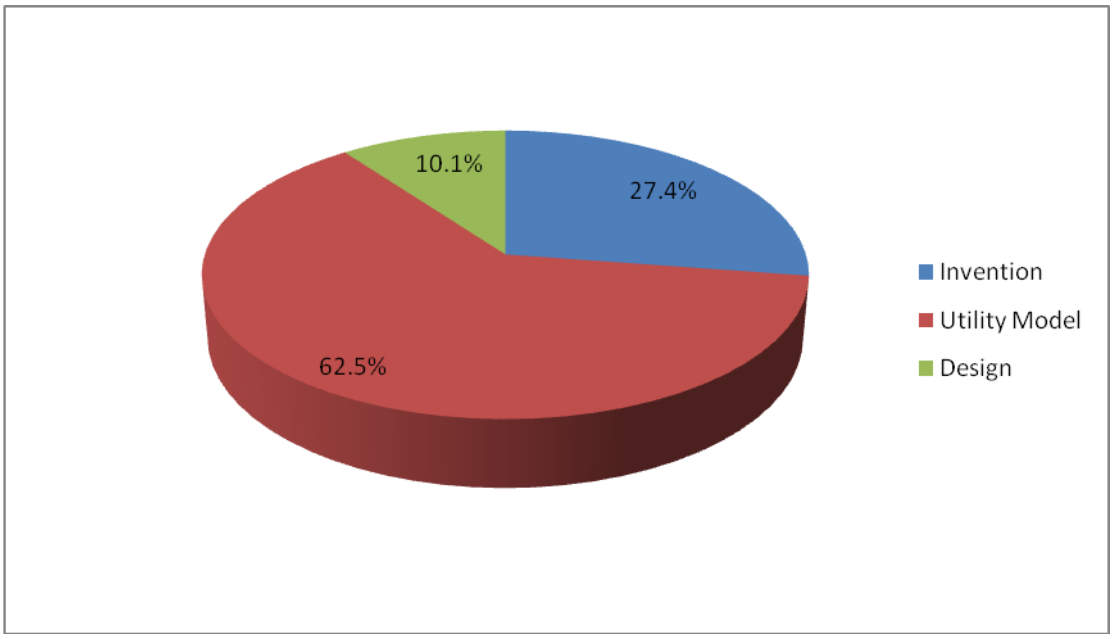


Fig. 3-1 Type Statistics on Patent Publications in the Auto Industry

Types of patent publications in the auto industry are: 151 invention patents, accounting for 3.5% of total invention publications; 345 utility models, accounting for 4.9% of total utility models; 56 designs, accounting for 0.9% 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:

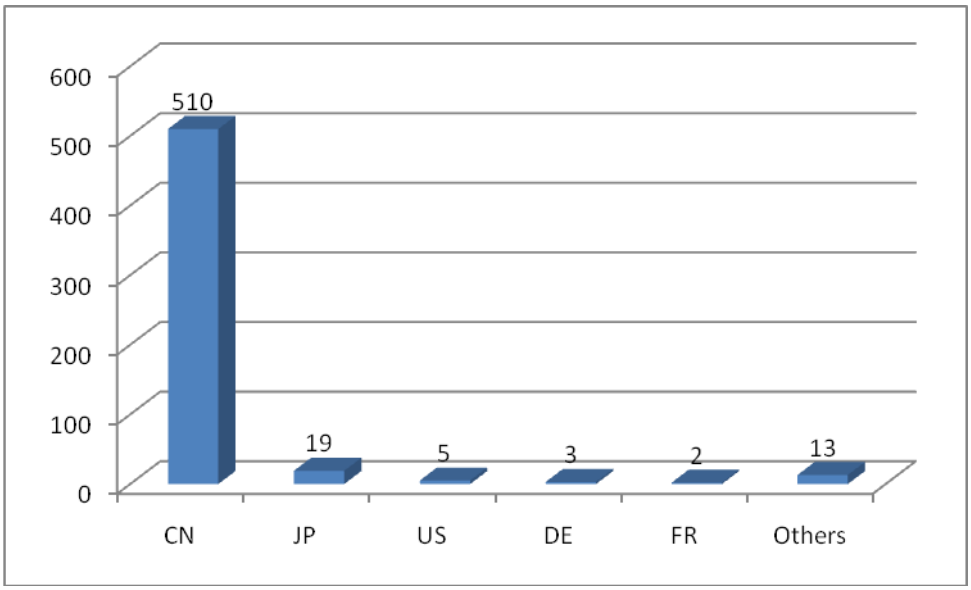


Fig 3-2 Statistics on Resident and Non-resident Patent Publications in the Auto Industry

Country	Amount of Publication
CN	510
JP	19
US	5
DE	3
FR	2
GB	2
RU	2
IT	2
CH	2
KR	1
LU	1
AT	1
SE	1
NO	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 France.

3.4 Statistics on Applicants

The top ten applicants in the auto industry are Zhejiang Geely Holding Group, Zhejiang Geely Automobile Research Institute Company Limited, ZHEJIANG YUELING WHEEL

HUB MAKING COMPANY, HANGHZOU WOZHONG AUTOMOBILE BEARING CO.,LTD., Zhejiang Hongniu Industry & Trade Co., Ltd., TOYOTA, Jiangyin Chuangxin Tyre Valve Company, YTO Group Corporation, CNHTC Jinan Power Co., Ltd., Ningbo Baody Auto Parts Co., Ltd.. The amount of publication from the ten companies accounts for 13.8% of total patent publications.

Applicant	Amount of Publication
Zhejiang Geely Holding Group	14
Zhejiang Geely Automobile Research Institute Company Limited	12
ZHEJIANG YUELING WHEEL HUB MAKING COMPANY	9
HANGHZOU WOZHONG AUTOMOBILE BEARING CO.,LTD.	7
Zhejiang Hongniu Industry & Trade Co., Ltd.	7
TOYOTA	6
Jiangyin Chuangxin Tyre Valve Company	6
YTO Group Corporation	5
CNHTC Jinan Power Co., Ltd.	5
Ningbo Baody Auto Parts Co., Ltd.	5

4. Statistics on Patent Publications in the Steel Industry

4.1 Total Amount Statistics

5,068 patent publications are disclosed in the steel industry, accounting for 29.1% of total publications. Within, 1,808 invention publications are filed, which accounts for 41.4% of total invention publications.

4.2 Type Statistics

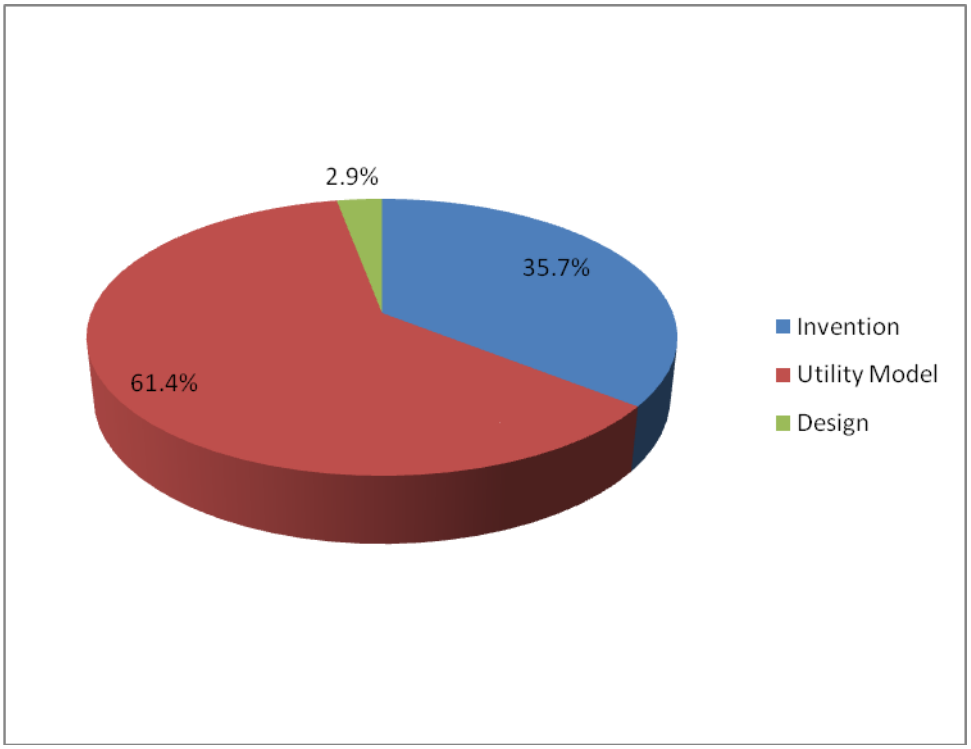


Fig.4-1. Three Types of Patent Publications in the Steel Industry

Patent publications in the steel industry involve 1,808 invention patents, accounting for 41.4% of total invention publications; 3,112 utility models, accounting for 44.1% of total utility models; 148 designs, accounting for 2.5% 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:

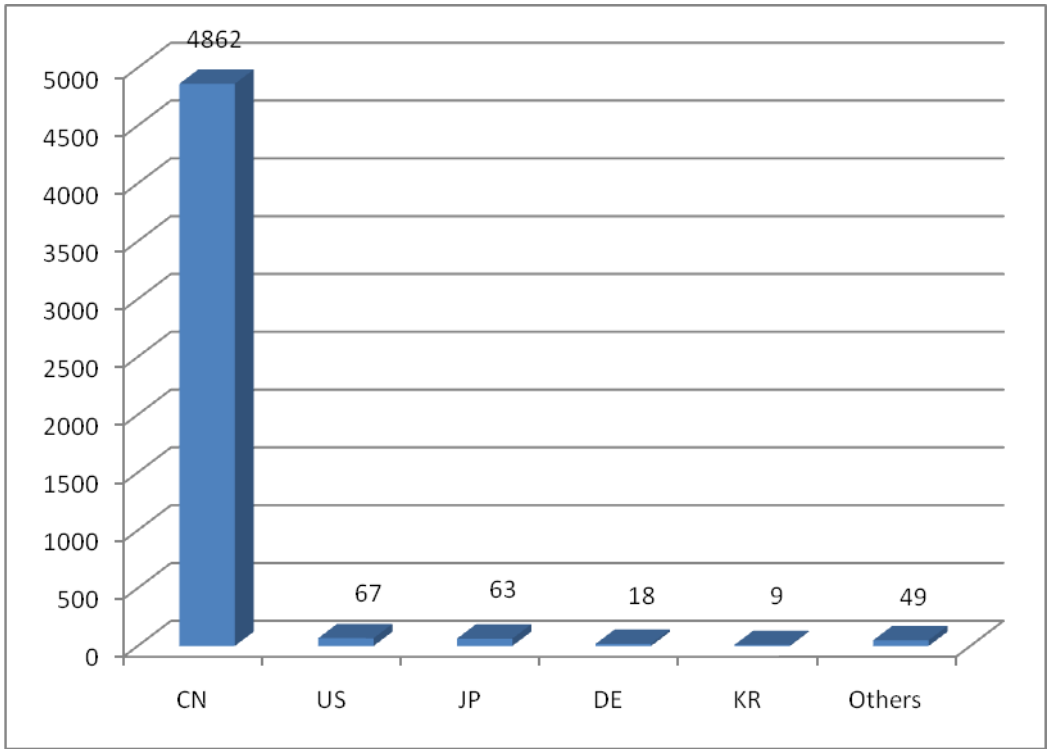


Figure 4-2 Statistics on Resident and Non-resident Patent Publications in the Steel Industry

Country	Amount of Publication
CN	4862
US	67
JP	63
DE	18
KR	9
CH	7
FR	6
NL	6
IT	5
GB	3
FI	3
AU	3
DK	2
VG	2
CA	2
SE	2
HU	1
BS	1
IE	1
IL	1
NO	1

WS	1
MY	1
LU	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, the USA, Japan, Germany and South Korea.

4.4 Statistics on Applicants

The top ten applicants in the steel industry are Jiangyan Yinxing Punching company, ZHEJIANG UNIVERSITY, Anshan Iron and Steel Mining company, Zhumadian Electric Power Company, China University of Mining and Technology, China University of Mining and Technology, Northwestern Polytechnical University, Chen Jiabin, Sany Heavy Machinery Co., Ltd., BEIHANG UNIVERSITY, South China University of Technology. The amount of publication from the top ten applicants accounts for 4.1% of total patent publications.

Applicant	Amount of Publication
Jiangyan Yinxing Punching company	28
ZHEJIANG UNIVERSITY	27
Anshan Iron and Steel Mining company	27
Zhumadian Electric Power Company	25
China University of Mining and Technology	22
Northwestern Polytechnical University	20
Chen Jiabin	16
Sany Heavy Machinery Co., Ltd.	15
BEIHANG UNIVERSITY	15
South China University of Technology	15

5. Statistics on Patent Publications in the Nonferrous Metal Industry

5.1 Total Amount Statistics

846 patent publications are disclosed in the nonferrous metal industry, accounting for 4.9% of total publications. Within, 405 invention publications are filed, which accounts for 9.3% of total invention publications.

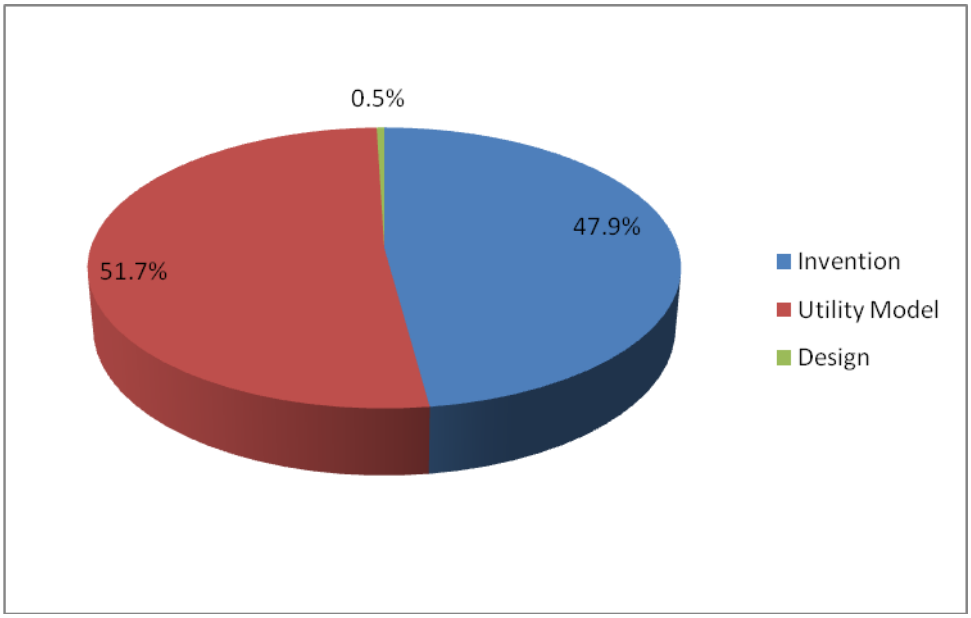


Fig 5-1 Types of Patent Publications in the Nonferrous Metal Industry

5.2 Type Statistics

Types of patent publications in the nonferrous metal industry are: 405 invention patents, accounting for 9.3% of total invention publications; 437 utility models, accounting for 6.2% of total utility models; 4 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.

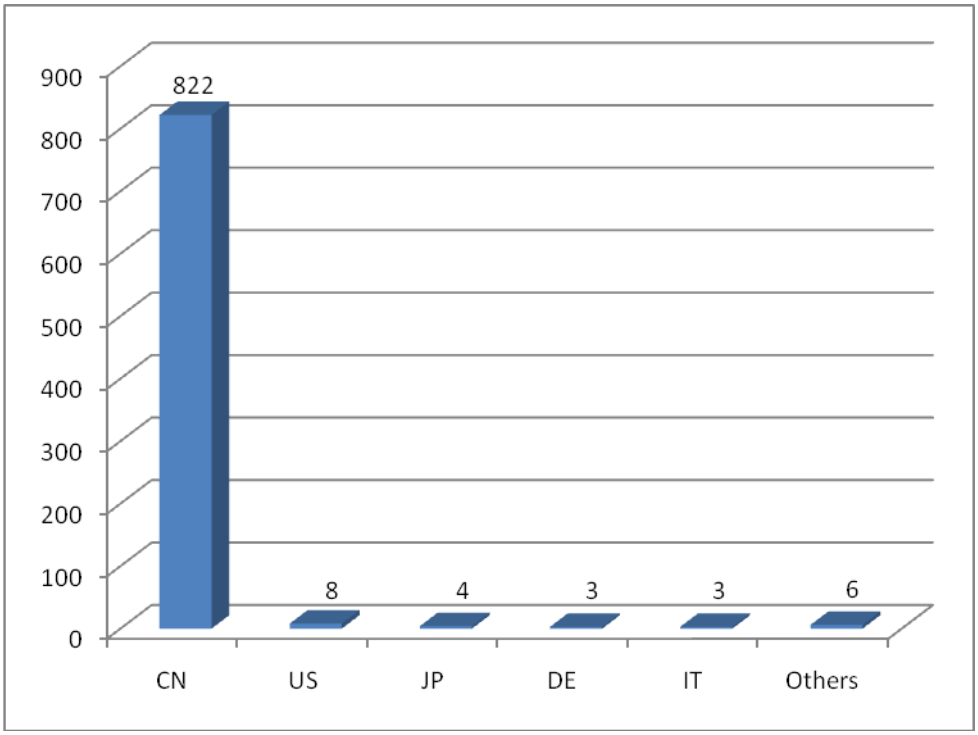


Figure 5-2 Statistics on Resident and Non-resident Patent Publications in the Nonferrous Metal Industry

Country	Amount of Publication
CN	822
US	8
JP	4
DE	3
IT	3
CH	2
VG	1
SE	1
MY	1
AU	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, the USA, Japan, Germany and Italy.

5.4 Statistics on Applicants

The top 10 applicants in the nonferrous metal industry are: Anshan Iron and Steel Mining company, China University of Mining and Technology, HARBIN INSTITUTE OF TECHNOLOGY, Zhejiang University, Chongqing University, SINOPEC SHENGLI

OILFIELD, SINOPEC, Chinacoal Beijing Coal Mining Machinery Co., Ltd., Dalian Dakai Sewage Treatment Co., Ltd., Shanghai JIAOTONG University. The amount of publication from the top ten applicants accounts for 8.9% of total patent publications.

Applicant	Amount of Publication
Anshan Iron and Steel Mining company	17
China University of Mining and Technology	10
HARBIN INSTITUTE OF TECHNOLOGY	7
Zhejiang University	7
Chongqing University	7
SINOPEC SHENGLI OILFIELD	6
SINOPEC	6
Chinacoal Beijing Coal Mining Machinery Co., Ltd.	6
Dalian Dakai Sewage Treatment Co., Ltd.	5
Shanghai JIAOTONG University	4

6. Statistics on Patent Publications in the Petrochemical Industry

6.1 Total Amount Statistics

196 patent publications are disclosed in the petrochemical industry, accounting for 1.1% of total publications. Within, 97 invention publications are filed, which accounts for 2.2% of total invention publications.

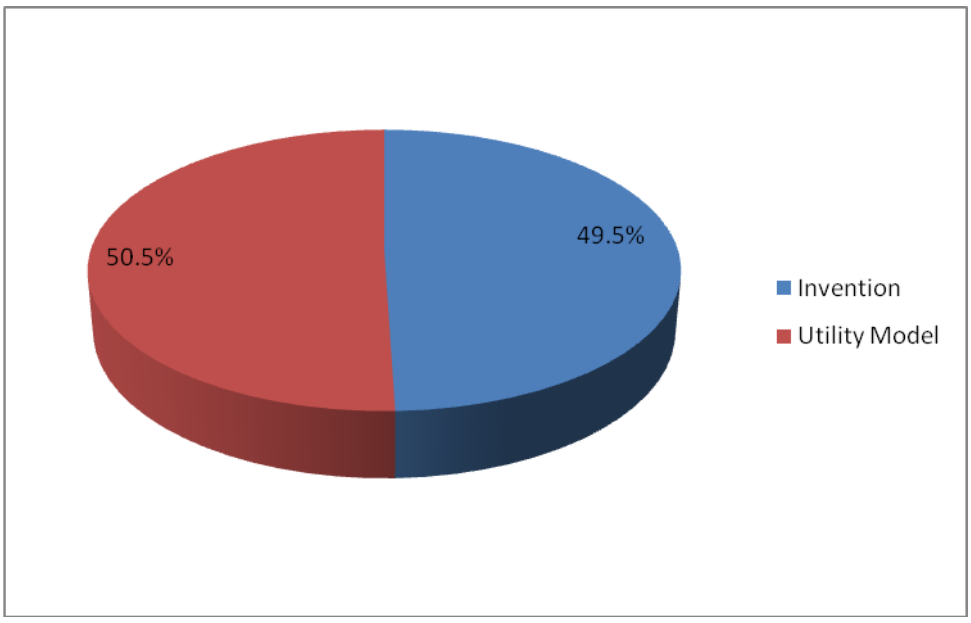


Fig. 6-1 Types of Patent Publications in the Petrochemical Industry

6.2 Type Statistics

Patent publications in the petrochemical industry involve 97 invention patents, accounting for 2.2% of total invention publications; 99 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.

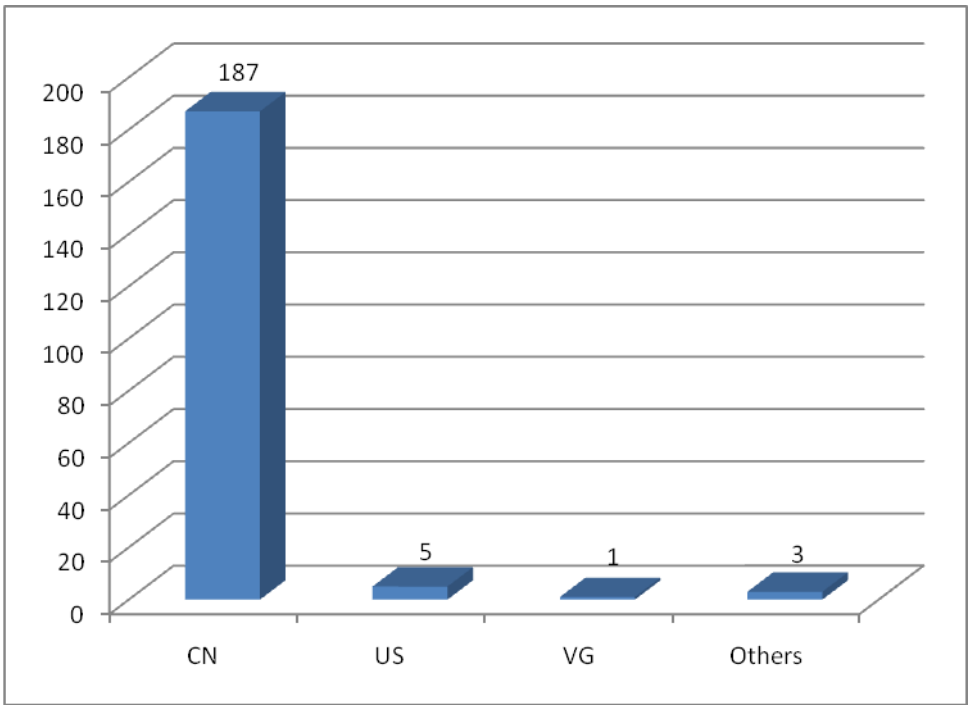


Fig. 6-2 Statistics on Resident and Non-resident Patent Publications in the Petrochemical Industry

Country	Amount of Publication
CN	187
US	5
VG	1
IT	1
KR	1
DE	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, Virgin Islands, Italy and Korea.

6.4 Statistics on Applicants

The top ten applicants in the petrochemical industry are SINOPEC SHENGLI OILFIELD, SINOPEC, CNOOC, China University of Petroleum, Northeast Petroleum University, CNPC, Zhuo Runsheng, Huang Zhenzhou, China University of Mining and Technology, China Metallurgical Group Corporation. The amount of publication from the top ten applicants accounts for 17.3% of total patent publications.

Applicant	Amount of Publication
SINOPEC SHENGLI OILFIELD	5
SINOPEC	5
CNOOC	4
China University of Petroleum	4
Northeast Petroleum University	3
CNPC	3
Zhuo Runsheng	3
Huang Zhenzhou	3
China University of Mining and Technology	2
China Metallurgical Group Corporation	2

7. Statistics on Patent Publications in the Electronic Information Industry

7.1 Total Amount Statistics

2,436 patent publications are disclosed in the electronic information industry, accounting for 14.0% of total publications. Within, 994 invention publications are filed, which accounts for 22.8% of total invention publications.

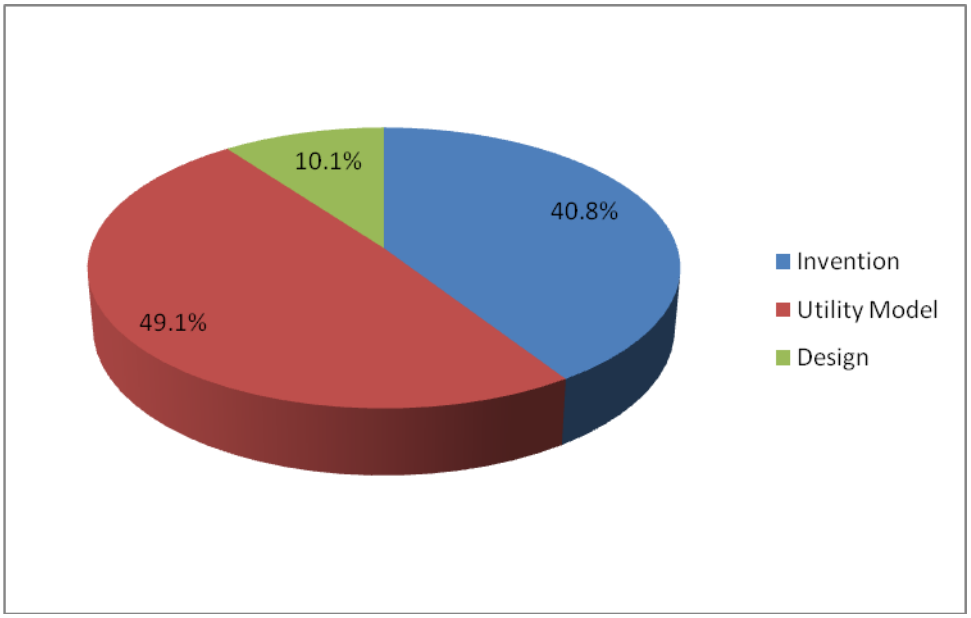


Fig. 7-1 Three Types of Patent Publication in the Electronic Information Industry

7.2 Type Statistics

Patent publications in the electronic information industry involve 994 invention patents, accounting for 22.8% of total invention publications; 1,195 utility models, accounting for 17.0% of total utility models; and 247 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.

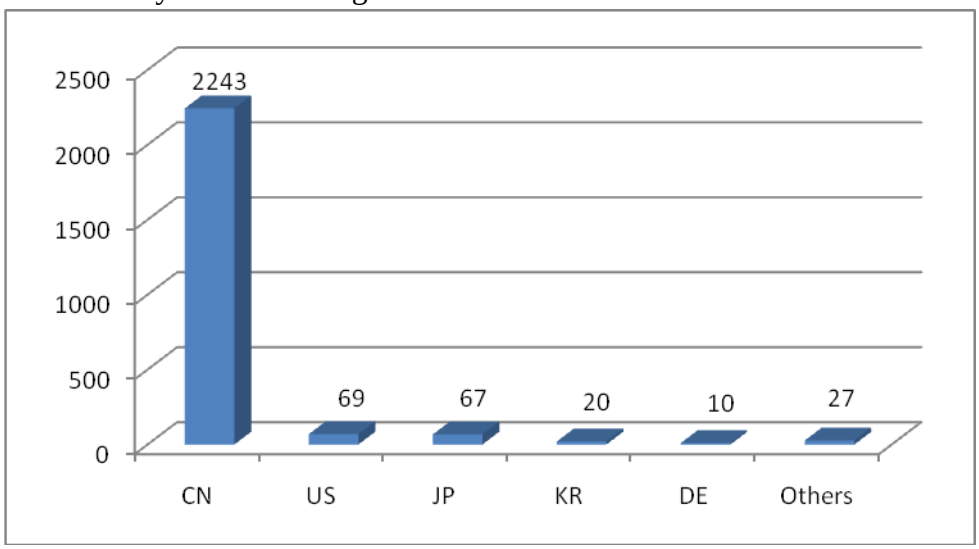


Fig.7-2 Statistics on Resident and Non-resident Patent Publications in the Electronic Information Industry

Country	Amount of Publication
CN	2243
US	69
JP	67
KR	20
DE	10
NL	6
FR	5
GB	2
DK	2
AF	2
CA	2
NZ	1
CH	1
KE	1
SE	1
IL	1
IT	1
SG	1
FI	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, the USA, Japan, South Korea and Germany.

7.4 Statistics on Applicants

The top ten applicants in the electronic information industry are HUAWEI, ZTE Corporation, Zhumadian Electric Power Company, Zhejiang University, Baoding Tianwei company, Chen Jiabin, Foxconn (Shenzhen) Hon Fujin Precision Industry Co., Ltd., EVOC Hi-Tech Holdings Group, Hon Hai Precision IND. Co., Ltd., Li Junjie. The amount of publication from the top ten applicants accounts for 8.7% of total patent publications.

Applicant	Amount of Publication
HUAWEI	61
ZTE Corporation	35
Zhumadian Electric Power Company	19
Zhejiang University	17
Baoding Tianwei company	15

Chen Jiabin	14
Foxconn (Shenzhen) Hon Fujin Precision Industry Co., Ltd.	14
EVOC Hi-Tech Holdings Group	13
Hon Hai Precision IND. Co., Ltd.	13
Li Junjie	12

8. Statistics on Patent Publications in the Textile Industry

8.1 Total Amount Statistics

1,476 patent publications are disclosed in the textile industry, accounting for 8.5% of the total publications. Within, 100 invention publications are filed, which accounts for 2.3% of the total invention publications.

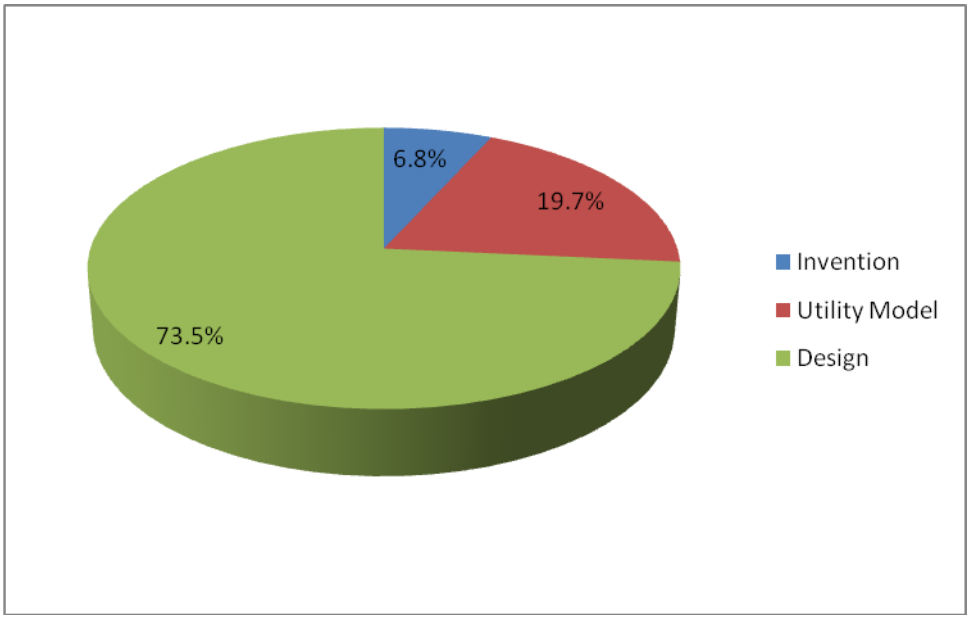


Fig. 8-1 Three Types of Patent Publication in the Textile Industry

8.2 Type Statistics

Patent publications in the textile industry involve 100 invention patents, accounting for 1.9 % of total invention publications; 291 utility models, accounting for 4.1% of total utility models; 1,085 designs, accounting for 18.0% 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:

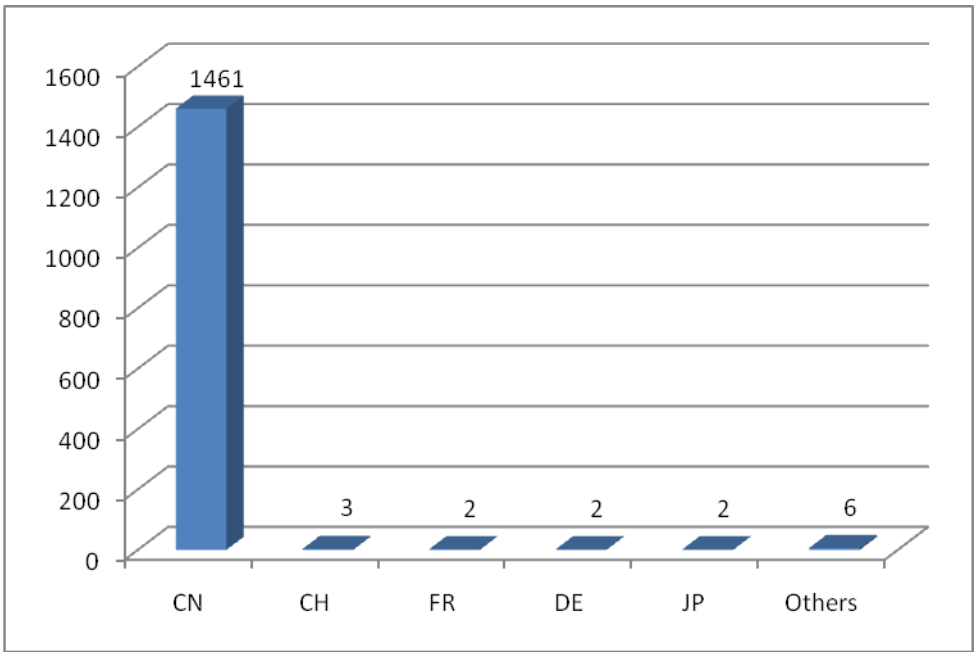


Fig.8-2 Statistics on Resident and Non-resident Patent Publications in the Textile Industry

Country	Amount of Publication
CN	1461
CH	3
FR	2
DE	2
JP	2
US	1
NL	1
IN	1
SE	1
IT	1
AN	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, Switzerland, France, Germany and Japan.

8.4 Statistics on Applicants

The top ten principal applicants in the textile industry are Qiu Sufang, Lufeng, Chen Baiqing, Zhang Donghai, Kunshan Faya Designs Co., Ltd., Ningbo Jiangbeiyunyong

Cultural Media Co., Ltd., Jiang Hongfei, Wuxi Best Textile Co., Ltd., Ningbo Jiejiawen Garment Co., Ltd., Zhu Zhengxi. The amount of publication from the top ten applicants accounts for 51.6% of total patent publications.

Applicant	Amount of Publication
Qiu Sufang	120
Lufeng	120
Chen Baiqing	99
Zhang Donghai	94
Kunshan Faya Designs Co., Ltd.	91
Ningbo Jiangbeiyunyong Cultural Media Co., Ltd.	59
Jiang Hongfei	47
Wuxi Best Textile Co., Ltd.	46
Ningbo Jiejiawen Garment Co., Ltd.	43
Zhu Zhengxi	43