Madam,
Sir,

Report on Characteristics of International Search Reports

1. This Circular is addressed to your Office in its capacity as an International Searching Authority under the Patent Cooperation Treaty (PCT). In that capacity, and as a member of the quality subgroup of the Meeting of International Authorities under the PCT, your Office is invited to comment on the annexed draft report on characteristics of international search reports. Your Office is also invited to share experiences on how to make good use of the information available, and to identify useful further information which national Offices and the International Bureau should work towards providing.

Background

2. For the past six years, the International Bureau has prepared reports presenting various characteristics of international search reports for discussion by the International Searching Authorities (see Circulars C. PCT 1360, 1398, 1434, 1463, 1490 and 1524).

Updated Report

3. The Annex to this Circular presents a report on characteristics of international search reports, updating the data presented in Circular C. PCT 1524 up to the end of the fourth quarter of 2017. The underlying data and a further explanation of the description of the data and definitions used are made available on the WIPO website.

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1 The full details are available with the electronic version of this circular from http://www.wipo.int/pct/en/circulars/index.html.
4. A variety of changes has been proposed over recent years to add to or improve the characteristics. Most of these require additional data from national Offices, most notably in respect of documents cited in the national phase, and will be considered further when reliable feeds of such information become available. In the meantime, the format and content of the reports are unchanged from those presented in Circular C. PCT 1524, save to update the results to provide information concerning international searches transmitted to the International Bureau in 2017 (or in 2016 for the technical breakdowns). A number of possible improvements to presentation will again be prepared for the consideration of the quality subgroup.

5. As noted for the previous report, the data for the final year is not complete because some search reports had not been processed by the European Patent Office in time to be reflected in the Autumn 2017 version of PATSTAT, which is the basis of the citation data in the reports. The data in particular for the final two quarters should be treated as highly provisional.

6. Technical breakdowns have again been made for four of the characteristics, with a table being included in the package available from the website. As a result of the above concerns, the breakdowns have been made on the characteristics for international search reports from 2016, rather than 2017.

**Issues for the Quality Subgroup**

7. This subject will be discussed at the physical meeting of the quality subgroup, to be held in Cairo on February 11 and 12, 2019.

8. Your Office is invited to provide comments on the characteristics, how the characteristics can be used effectively, and what improvements to the presentation or content of characteristics and other metrics would be useful. Comments should be registered on the quality subgroup’s electronic forum in advance of the meeting to assist delegations to prepare for an effective discussion of such issues during the physical meeting.

Yours sincerely,

John Sandage
Deputy Director General

CHARACTERISTICS OF INTERNATIONAL SEARCH REPORTS

Table of Contents

1.1 – Percentage of PCT search reports with at least one X, Y or E citation ....................... 2
1.2 – Percentage of PCT search reports with A citations only .............................................. 4
1.3 – Percentage of PCT search reports with P or E citations .............................................. 6
1.3a – Percentage of PCT search reports with P citations .................................................. 8
1.3b – Percentage of PCT search reports with E citations .................................................. 10
1.4 – Percentage of citations in the category of P or E ......................................................... 12
1.5 – Percentage of citations in the category of P and X ..................................................... 14
1.6 – Percentage of PCT search reports with Y citations and without X citations ............... 16
1.7 – Percentage of PCT search reports with O/T/L citations ............................................ 18
1.9 – P/E Citation Breakdown for PCT Search reports ......................................................... 20
1.10 – Percentage of PCT search reports with at least one X or Y citation by top applicant’s origin ............................................................................................................ 31
2.1 – Average number of citations per search report .......................................................... 33
2.2 – Average number of NPL citations per search report .................................................. 35
2.3 – Average number of patent literature citations per search report ............................... 37
2.4 – Average number of X/Y patent literature citations per search report ....................... 39
2.5 – Percentage of search reports with at least one NPL citation ....................................... 41
2.6 – Percentage of NPL citations in the category of X or Y in all citations ......................... 43
2.7 – Percentage of PCT search reports with at least one X/Y NPL citation ....................... 45
2.8 – Percentage of NPL citations in all citations ................................................................. 47
2.9 – Distribution of patent & non patent literature citations ............................................. 49
3.1 – Percentage of patent citations in non-official languages ........................................... 60
3.2 – Percentage of patent citations by top publication authorities ................................ 62
3.3 – Percentage of patent citations by processing authorities ......................................... 64
3.4 – Percentage of PCT search reports by top applicant’s origin .................................... 66
1.1 – PERCENTAGE OF PCT SEARCH REPORTS WITH AT LEAST ONE X, Y OR E CITATION
1.2 – PERCENTAGE OF PCT SEARCH REPORTS WITH A CITATIONS ONLY

Percentage of search reports with A citations only

Search date (year and quarter)


Percentage of search reports with A citations only

Search date (year and quarter)

AT  AU  BR  CA  CL  Total
1.3 – PERCENTAGE OF PCT SEARCH REPORTS WITH P OR E CITATIONS

![Graph showing the percentage of PCT search reports with P or E citations over time for different countries and the total.](image-url)
1.3A – PERCENTAGE OF PCT SEARCH REPORTS WITH P CITATIONS

Graphs showing the percentage of PCT search reports with P citations from 2008 to 2017, categorized by different search dates and countries.
Annex to Circular C. PCT 1552

Percentage of search reports with P citations

- EG
- ES
- FI
- IL
- IN
- RU
- Total

Percentage of search reports (%%)

Search date (year and quarter)

Percentage of search reports with P citations

- SE
- SG
- TR
- UA
- XN
- XV
- Total

Search date (year and quarter)
1.3B – PERCENTAGE OF PCT SEARCH REPORTS WITH E CITATIONS

![Graph showing the percentage of PCT search reports with E citations over time for different countries.](image-url)
1.4 – PERCENTAGE OF CITATIONS IN THE CATEGORY OF P OR E

Percentage of P or E citations

Search date (year and quarter)

Percentage of citations (%)

- CN
- EP
- JP
- KR
- US
- Total

Percentage of P or E citations

Search date (year and quarter)

Percentage of citations (%)

- AT
- AU
- BR
- CA
- CL
- Total
1.5 – PERCENTAGE OF CITATIONS IN THE CATEGORY OF P AND X

[Graph showing the percentage of PX citations over time for different countries and the total.]

- CN
- EP
- JP
- KR
- US
- Total

[Graph showing the percentage of PX citations for different months and years, with search date (year and quarter) on the x-axis and percentage of citations (%) on the y-axis.]

- AT
- AU
- BR
- CA
- CL
- Total
1.6 – PERCENTAGE OF PCT SEARCH REPORTS WITH Y CITATIONS AND WITHOUT X CITATIONS
1.8 – PERCENTAGE OF PCT SEARCH REPORTS WITH O/T/L CITATIONS

![Percentage of search reports with O/T/L citations graph]

![Percentage of search reports with O/T/L citations graph](chart2)

Search date (year and quarter): 2008 - Q1 to 2017 - Q4

- CN
- EP
- JP
- KR
- US
- Total

Search date (year and quarter): 2008 - Q1 to 2017 - Q4

- AT
- AU
- BR
- CA
- CL
- Total
1.9 – P/E CITATION BREAKDOWN FOR PCT SEARCH REPORTS

P/E citations breakdown: ISA = AT

P/E citations breakdown: ISA = AU
1.10 – PERCENTAGE OF PCT SEARCH REPORTS WITH AT LEAST ONE X OR Y CITATION BY TOP APPLICANT’S ORIGIN
2.1 – AVERAGE NUMBER OF CITATIONS PER SEARCH REPORT
2.2 – AVERAGE NUMBER OF NPL CITATIONS PER SEARCH REPORT

[Diagram showing the average number of citations per search report over time for different countries and a total aggregate.]

[Graph legend indicating countries such as SE, SG, TR, UA, XN, XV, and Total, with data points plotted over years and quarters.]
2.3 – AVERAGE NUMBER OF PATENT LITERATURE CITATIONS PER SEARCH REPORT
2.4 – AVERAGE NUMBER OF X/Y PATENT LITERATURE CITATIONS PER SEARCH REPORT

Average number of PL citations in X/Y category per search report

Average number of PL citations per search report

Search date (year and quarter)
2.5 – PERCENTAGE OF SEARCH REPORTS WITH AT LEAST ONE NPL CITATION
2.6 – PERCENTAGE OF NPL CITATIONS IN THE CATEGORY OF X OR Y IN ALL CITATIONS
2.7 – PERCENTAGE OF PCT SEARCH REPORTS WITH AT LEAST ONE X/Y NPL CITATION
Annex to Circular C. PCT 1552

Percentage of search reports with at least one X/Y NPL citation

Percentage of search reports (%)

Search date (year and quarter)

- AT
- AU
- BR
- CA
- CL
- Total

Percentage of search reports with at least one X/Y NPL citation

Percentage of search reports (%)

Search date (year and quarter)

- EG
- ES
- FI
- IL
- IN
- RU
- Total
2.8 – PERCENTAGE OF NPL CITATIONS IN ALL CITATIONS
2.9 – DISTRIBUTION OF PATENT & NON PATENT LITERATURE CITATIONS
 Annex to Circular C. PCT 1552
page 54

Distribution of patent and non patent literature citations: ISA = FI

Distribution of patent and non patent literature citations: ISA = IL
Annex to Circular C. PCT 1552

Distribution of patent and non patent literature citations: ISA = IN

<table>
<thead>
<tr>
<th>Year</th>
<th>Share (%)</th>
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<tbody>
<tr>
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<tr>
<td>2015</td>
<td>80%</td>
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<tr>
<td>2016</td>
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</tr>
<tr>
<td>2017</td>
<td>80%</td>
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Distribution of patent and non patent literature citations: ISA = JP

<table>
<thead>
<tr>
<th>Year</th>
<th>Share (%)</th>
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<tbody>
<tr>
<td>2008</td>
<td>20%</td>
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<tr>
<td>2009</td>
<td>20%</td>
</tr>
<tr>
<td>2010</td>
<td>20%</td>
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<td>20%</td>
</tr>
<tr>
<td>2016</td>
<td>20%</td>
</tr>
<tr>
<td>2017</td>
<td>20%</td>
</tr>
</tbody>
</table>
Distribution of patent and non patent literature citations: ISA = XN

- Share (%)
- Years: 2008 to 2017
- Bars for NPL (red) and PAT (purple)

Distribution of patent and non patent literature citations: ISA = XV

- Share (%)
- Years: 2016 and 2017
- Bars for NPL (red) and PAT (purple)
3.1 – PERCENTAGE OF PATENT CITATIONS IN NON-OFFICIAL LANGUAGES
3.2 – PERCENTAGE OF PATENT CITATIONS BY TOP PUBLICATION AUTHORITIES

Percentage of patent citations by publication authority (2017)

Percentage of citations (%)


ISA and publication authorities

Percentage of patent citations by publication authority (2017)

Percentage of citations (%)

AT  AU  BR  CA  CL

ISA and publication authorities
3.3 – PERCENTAGE OF PATENT CITATIONS BY PROCESSING AUTHORITIES

Percentage of patent citations by processing authority (2017)

Percentage of citations (%)

ISA and processing authorities

AT  AU  BR  CA  CL

Percentage of patent citations by processing authority (2017)

Percentage of citations (%)

ISA and processing authorities


3.4 – PERCENTAGE OF PCT SEARCH REPORTS BY TOP APPLICANT’S ORIGIN

Percentage of search reports by applicants’ origin: ISA = AT

Percentage of search reports by applicants’ origin: ISA = AU
Percentage of search reports by applicants' origin: ISA = BR

Percentage of search reports by applicants' origin: ISA = CA
Annex to Circular C. PCT 1552
Annex to Circular C. PCT 1552
page 76

Percentage of search reports by applicants' origin: ISA = XN

Percentage of search reports by applicants' origin: ISA = XV

[End of Annex and of Circular]