

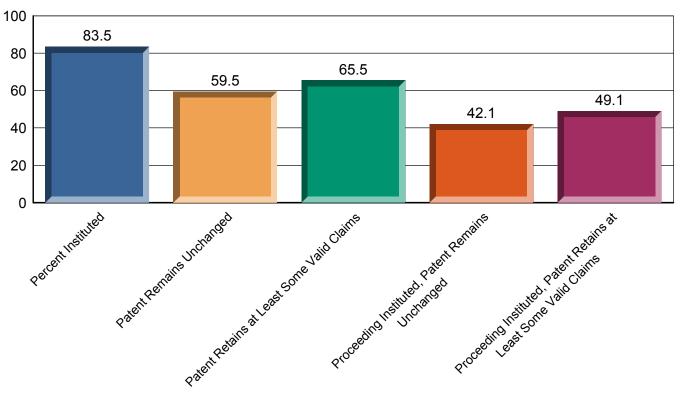
LegalMetric Inter Partes Review APJ Report Administrative Patent Judge Obermann September 2016

This report contains confidential and proprietary information of LegalMetric, Inc. Use of this information by anyone other than the purchaser or, if the purchaser is a law firm, the purchaser's client, or disclosure of this information to persons other than the purchaser or, if the purchaser is a law firm, the purchaser's client, without the consent of LegalMetric, Inc. is prohibited.

The information contained in this report is obtained from the official docket records of the federal courts. No attempt has been made to correct that data. For example, cases may be misclassified in the official docket records. In addition, cases are classified only by the primary cause of action. Cases having multiple causes of action are analyzed only under the primary cause of action identitied on the official court docket.

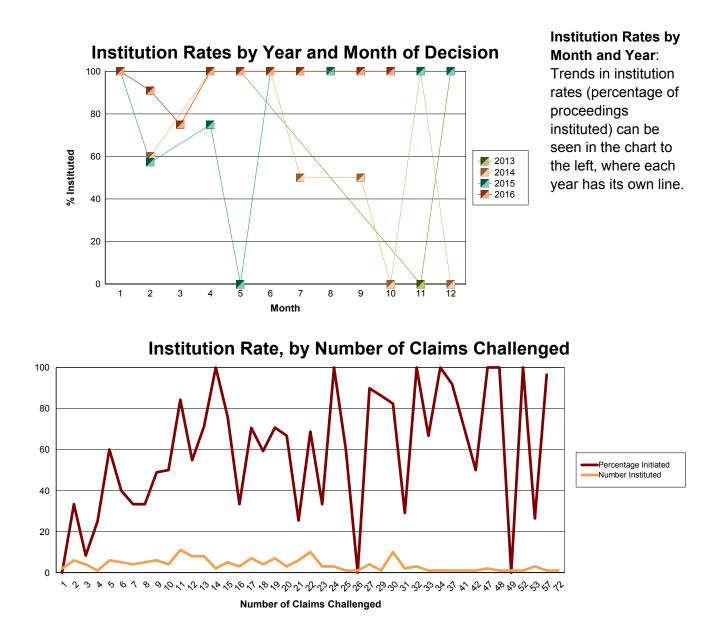
LegalMetric, Inc. is not a law firm, does not provide legal advice, and is not engaged in the practice of law. No attorney-client relationship exists between LegalMetric, Inc. and any user of its products. LegalMetric provides statistical and analytical information to anyone who desires to purchase that information. Any purchaser of LegalMetric products who wants legal advice should hire an attorney.

Summary: The records of Inter Partes Reviews (IPRs) were reviewed to determine the success rate of these reviews (both in terms of institution and final decisions) for those proceedings in which ALJ Obermann participated in the institution decision and/or the final written decision. This data was further broken down by technology (Tech Center), number of claims, and year. The institution and patentability rates by patent are shown in the chart below. Rates by claim, and other metrics, follow. This report for ALJ Obermann includes 160 IPRs, in which 57 final decisions have been rendered.



Petition Rates

Patentability Rates: The chart above illustrates the probabilities of a patent successfully surviving an Inter Partes Review filing. For all filings (includes filings which did not result in the institution of a review, filings which were settled, and filings which proceeded to a final decision), the patent remained unchanged 59.5% of the time. Note that the institution of a review reduces that figure significantly--to 42.1%. The chart above also shows the rate at which at least some claims survive the filing of an IPR petition. *For all filings*, the rate at which at least some claims survive is 65.5%. For those cases where the IPR is actually instituted, the "at least some claims survive" rate is 49.1%.

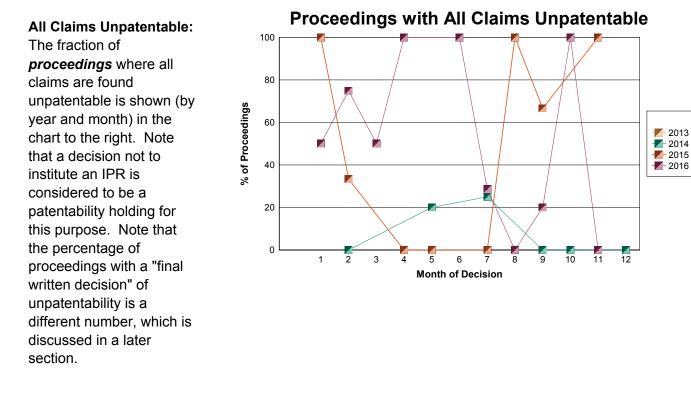


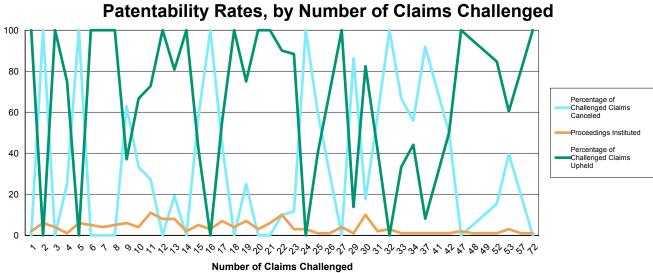
Institution Rate, by Number of Claims Challenged: For those proceedings in which a decision on the institution of the review is issued, the percentage of claims for which the review is initiated varies generally between 60% and 80% of the claims challenged (see chart above and table below). The chart above also shows the number of proceedings for each specific number of claims challenged. Note that for any single ALJ the number of proceedings instituted is quite small for each particular number of claims challenged, which results in a great deal of "jitter" in the corresponding "percentage initiated" line.

	Percentage of Claims for Which Review is Initiated	Number of Proceedings
1	0.0	2
2	33.3	6
3	8.3	4
4	25.0	1
5	60.0	6
6	40.0	5
7	33.3	4

	Percentage of Claims for Which Review is Initiated	Number of Proceedings
8	33.3	5
9	48.9	6
10	50.0	4
11	84.3	11
12	54.8	8
13	71.2	8
14	100.0	2
15	76.0	5
16	33.3	3
17	70.6	7
18	59.3	4
19	70.7	7
20	66.7	3
21	25.4	6
22	68.8	10
23	33.3	3
24	100.0	3
25	60.0	1
26	0.0	1
27	89.8	4
29	86.2	1
30	82.3	10
31	29.0	2
32	100.0	3
33	66.7	1
34	100.0	1
37	91.9	1
41		1
42	50.0	1
47	100.0	2
48	100.0	1
49	0.0	1
52	100.0	1
53	26.4	3

	Percentage of Claims for Which Review is Initiated	Number of Proceedings
57	96.5	1
72		1





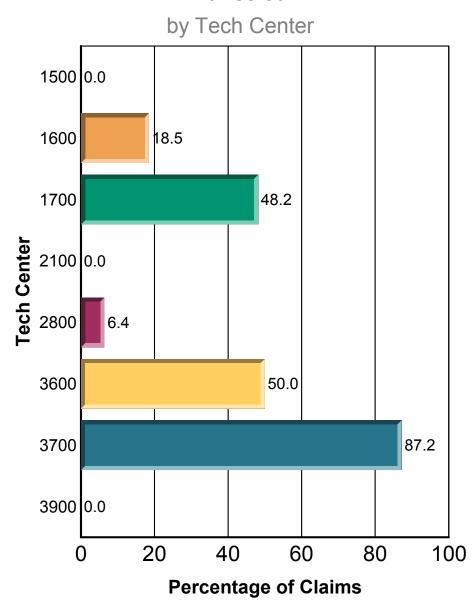
Patentability Rates, by Number of Claims Challenged: For those proceedings in which a decision on the institution of the review is issued, the percentage of claims held unpatentable (canceled) is generally around 20% of the claims challenged while the percentage of challenged claims which are not held unpatentable (either original claims or amended) is around 80% (see chart above and table below). The chart above also shows the number of proceedings for each specific number of claims challenged. Note that the number of proceedings with more than 30 claims challenged is quite small, which results in a great deal of "jitter" in the "canceled" and "upheld" lines.

	Percentage of Claims Upheld	Percentage of Challenged Claims Canceled
1	100.0	0.0
2	0.0	100.0
3	100.0	0.0

	Percentage of Claims Upheld	Percentage of Challenged Claims Canceled
4	75.0	25.0
5	0.0	100.0
6	100.0	0.0
7	100.0	0.0
8	100.0	0.0
9	37.0	63.0
10	66.7	33.3
11	72.7	27.3
12	100.0	0.0
13	80.8	19.2
14	100.0	0.0
15	42.2	57.8
16	0.0	100.0
17	55.9	44.1
18	100.0	0.0
19	75.0	25.0
20	100.0	0.0
21	100.0	0.0
22	90.0	10.0
23	88.4	11.6
24	0.0	100.0
25	40.0	60.0
27	100.0	0.0
29	13.8	86.2
30	82.4	17.6
31	41.9	58.1
32	0.0	100.0
33	33.3	66.7
34	44.1	55.9
37	8.1	91.9
42	50.0	50.0
47	100.0	0.0
52	84.6	15.4
53	60.4	39.6

_	Percentage of Claims Upheld	Percentage of Challenged Claims Canceled	
72	100.0	0.0	

Percentage of Challenged Claims Which are Canceled



Percentage of Challenged Claims Canceled, by Tech Center: The fraction of *challenged claims* which are canceled is shown in the chart to the left. Note that a decision not to institute an IPR is considered to be a patentability holding for this purpose. Note that not all Tech Centers have challenged claims which are canceled.

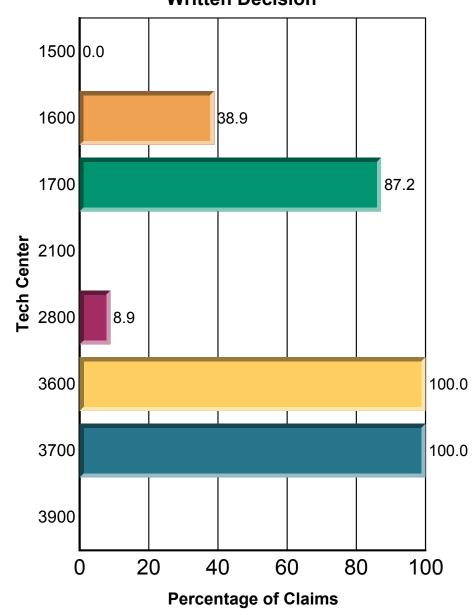


Number of Claims At Issue

Patentability Rates, by Number of Claims at Issue: For those proceedings in which a *final written decision* on patentability is issued, the percentage of claims held unpatentable (canceled) is generally around 80% of the claims at issue while the percentage of challenged claims which are not held unpatentable (either original claims or amended) is around 20% (see chart above and table below). The chart above also shows the number of proceedings with a final written decision for each specific number of claims challenged. Note that the number of such proceedings is quite small for each number of claims at issue, which results in a great deal of "jitter" in the chart.

	Number of Final Written Decisions	Upheld Patentability	Canceled
1	1	0.0	100.0
2	1	0.0	100.0
5	2	0.0	100.0
6	1	100.0	0.0
7	3	33.3	66.7
8	1	0.0	100.0

	Number of Final Written Decisions	Upheld Patentability	Canceled
9	2	50.0	50.0
10	3	33.3	66.7
11	4	50.0	50.0
12	2	50.0	50.0
13	3	66.7	33.3
14	3	100.0	0.0
15	2	3.3	96.7
16	1	0.0	100.0
17	1	0.0	100.0
18	2	50.0	50.0
19	3	66.7	33.3
20	1	100.0	0.0
21	1	0.0	100.0
22	4	75.0	25.0
23	1	65.2	34.8
24	1	0.0	100.0
25	1	0.0	100.0
27	1	100.0	0.0
30	5	80.0	20.0
32	3	0.0	100.0
34	2	10.4	89.6
42	1	0.0	100.0
52	1	84.6	15.4

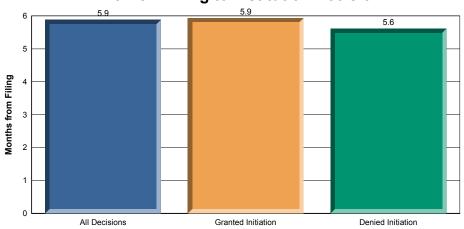


Percentage of Claims Which are Canceled in Final Written Decision

Final Written Decision: The fraction of claims found unpatentable is shown (by Tech Center) in the chart to the right.

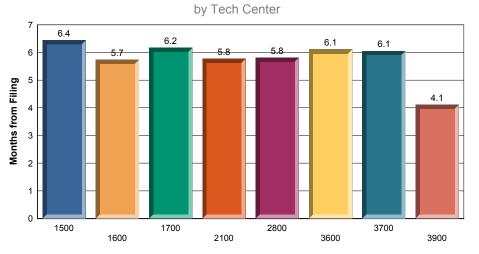
Claims Canceled in

Time from Filing to Institution Decision: The time from petition filing to institution decision (initiation) varies slightly from Tech Center to Tech Center (see second chart below). But whether the petition was granted or denied has little effect on the time to decision (see first chart below). This time has remained fairly stable for at least one year.

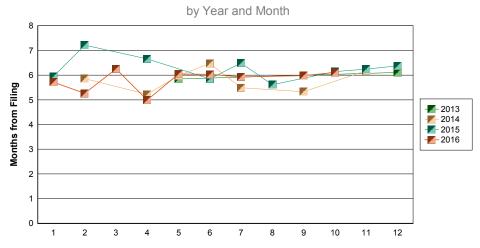


Time from Filing to Institution Decision

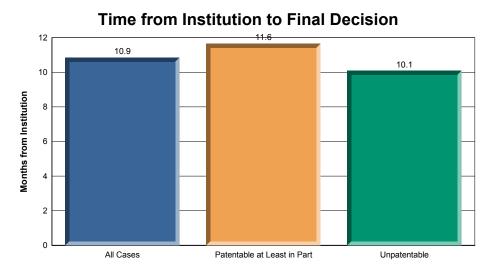




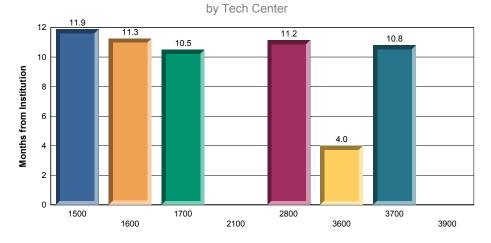
Time to Decision on Institution



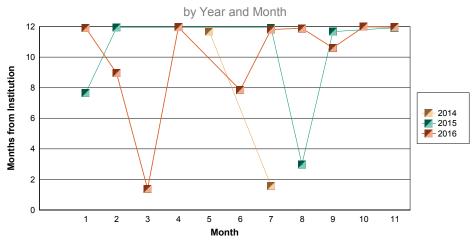
Time from Institution to Final Decision: The time from institution decision to final written decision is around 11 months. Whether the decision is in favor of patentability or not has little effect on the time to final written decision. There is some variation by Tech Center, however (see charts below). Note that not all Tech Centers have final written decisions on at least one proceeding. The variation from month to month is shown in the chart at the bottom of the page.



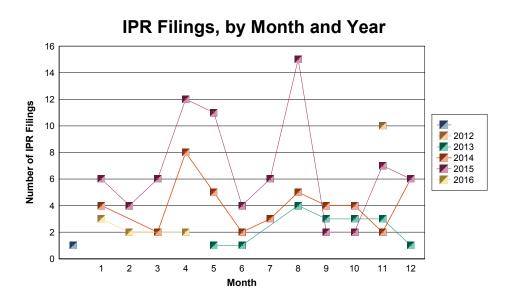
Time from Institution to Final Decision



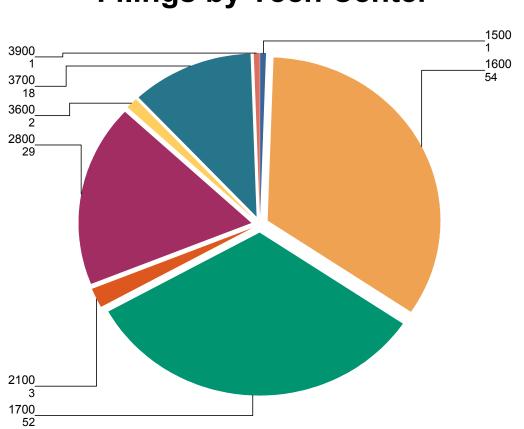
Time to Institution to Final Decision



IPR Filings: The number of new IPR case filings by month and year is shown in the chart below.

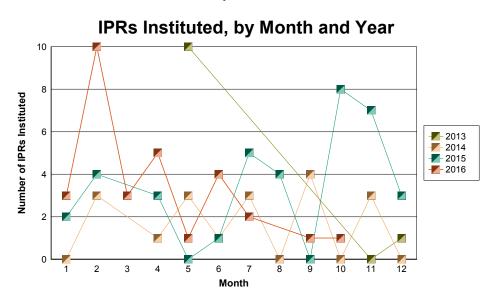


IPR Filings by Tech Center: The number of new IPR case filings by Tech Center is shown in the chart below.

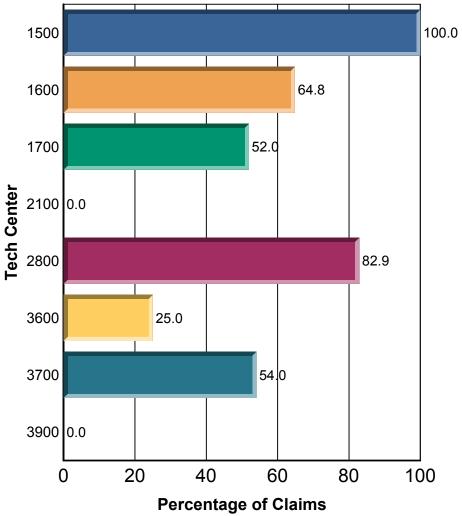


Filings by Tech Center

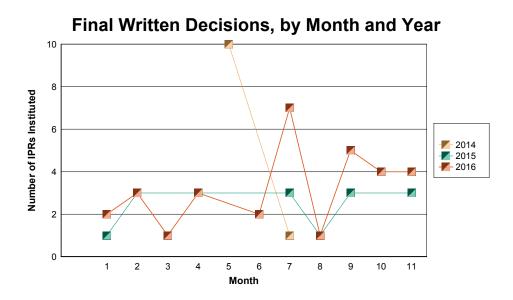
IPRs Instituted: The number of IPRs instituted by month and year is shown in the chart below. The second chart shows the number instituted by Tech Center.



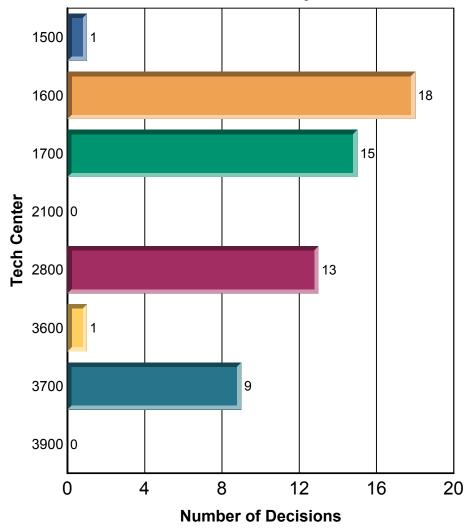




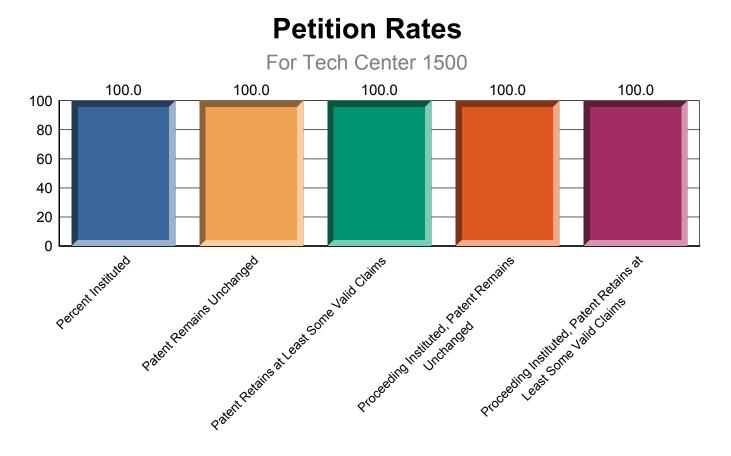
Final Written Decisions: The number of final written decisions by month and year, if any, is shown in the chart below. The second chart shows the number of decisions, if any, by Tech Center.



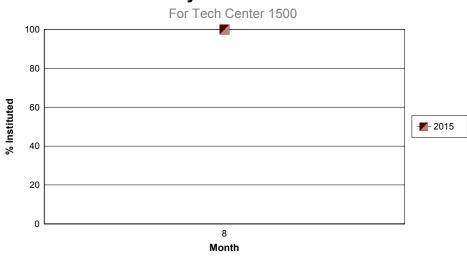
Number of Final Decisions, by Tech Center



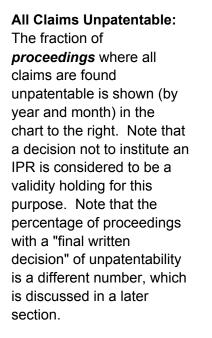
Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



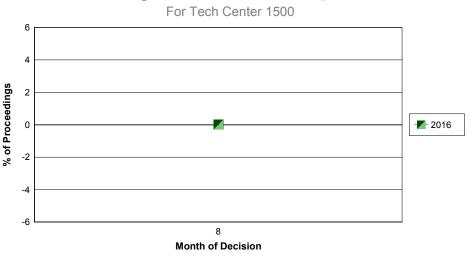
Institution Rates by Year and Month of Decision



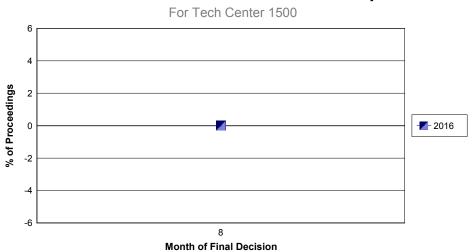
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



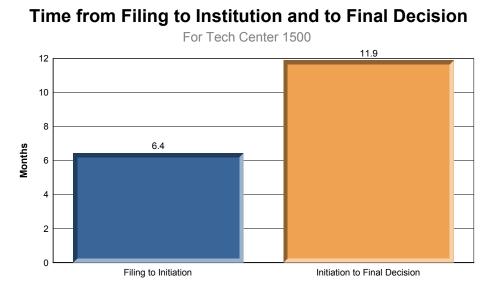
Proceedings with All Claims Unpatentable



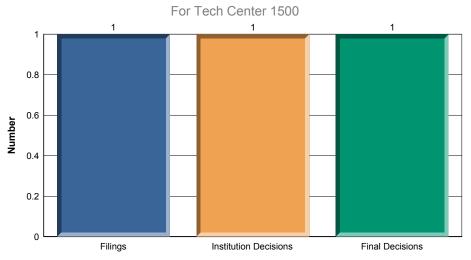
Final Written Decisions with All Claims Unpatentable



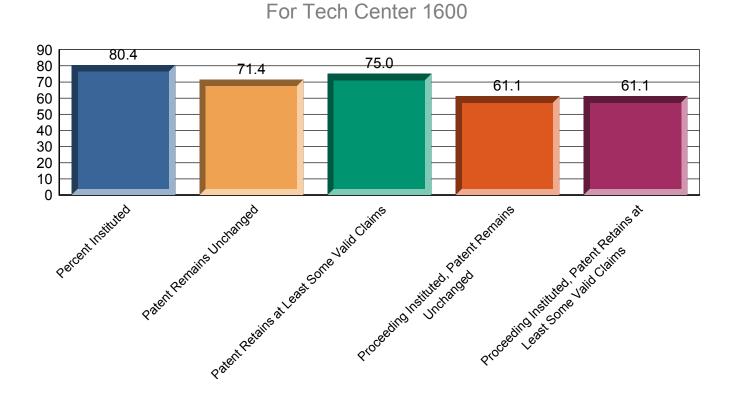
All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.



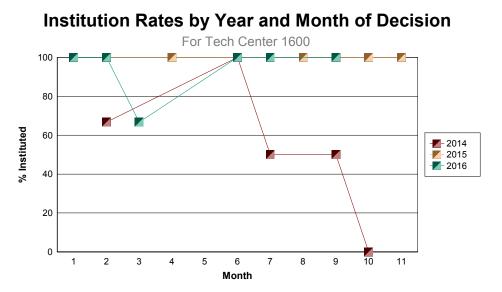
Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.



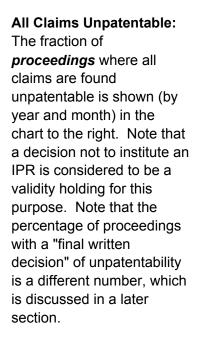
Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



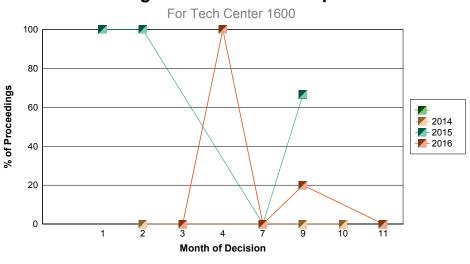
Petition Rates



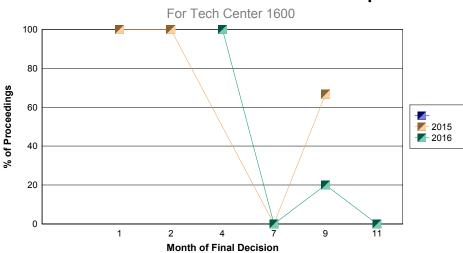
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



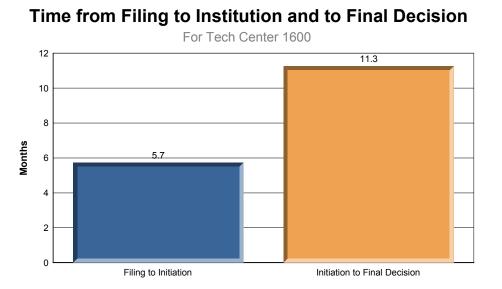




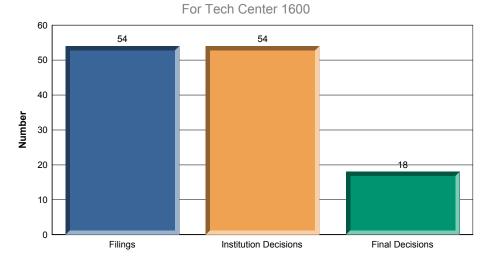




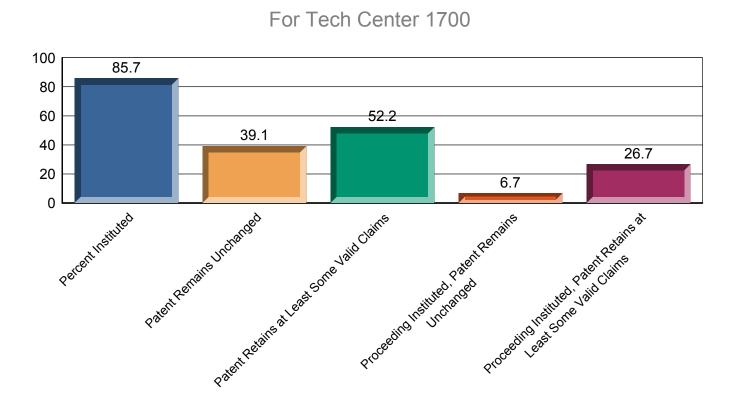
All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.



Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.

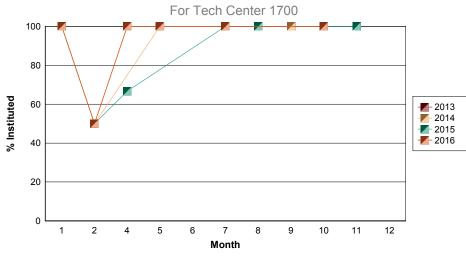


Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).

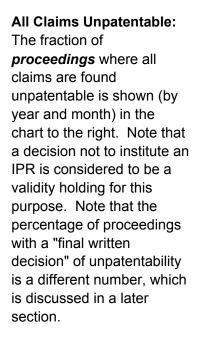


Petition Rates

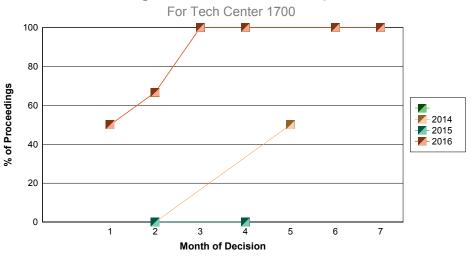




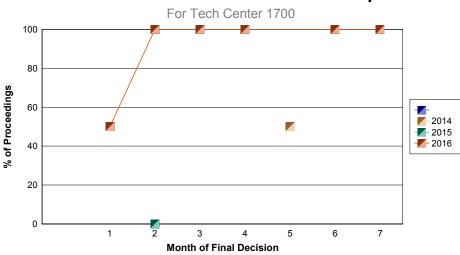
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



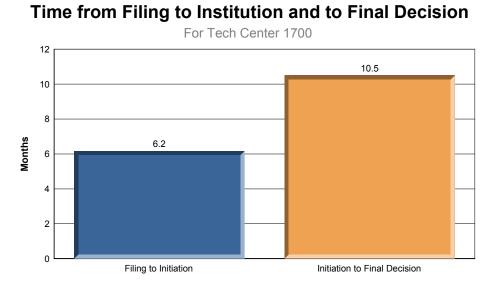
Proceedings with All Claims Unpatentable



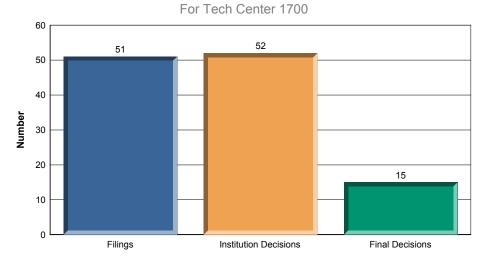




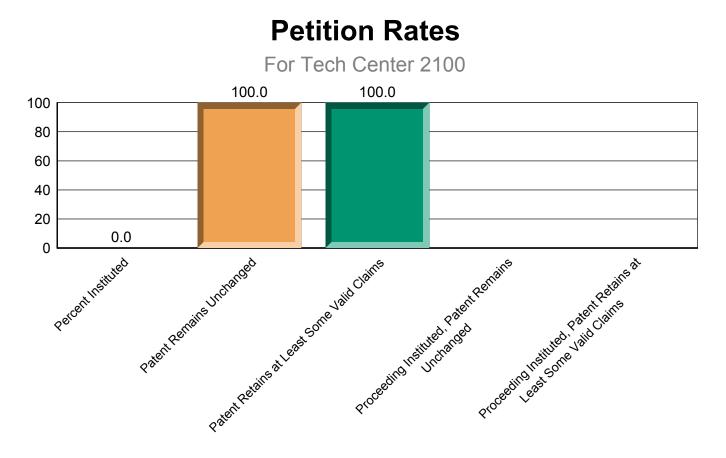
All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.



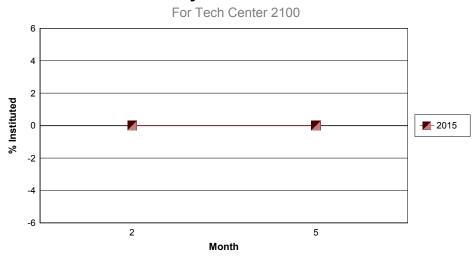
Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.



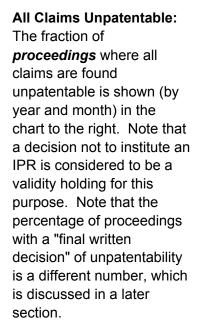
Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



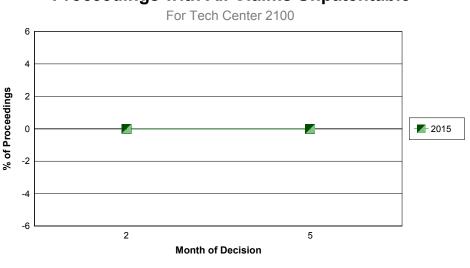
Institution Rates by Year and Month of Decision



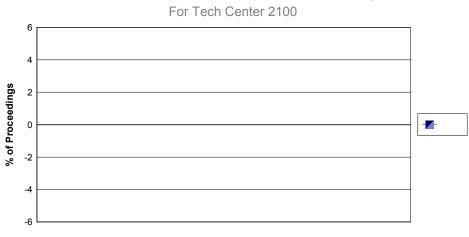
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



Proceedings with All Claims Unpatentable

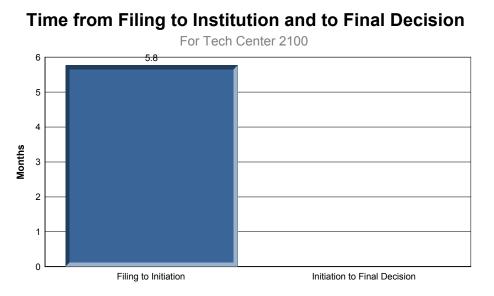


Final Written Decisions with All Claims Unpatentable

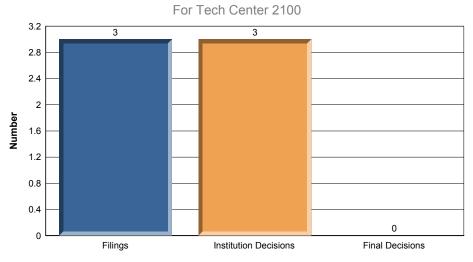


All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.

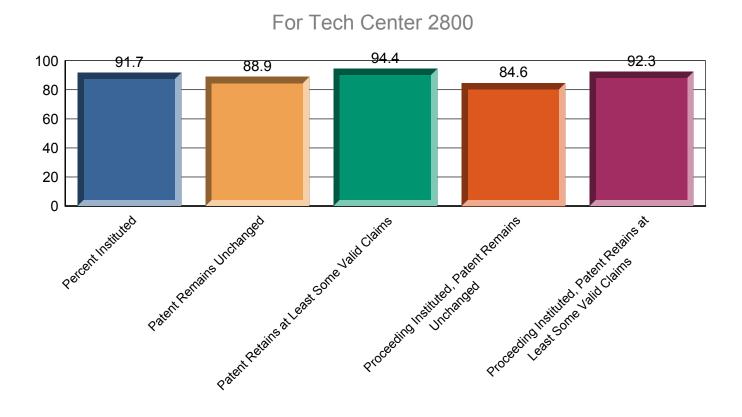
Month of Final Decision



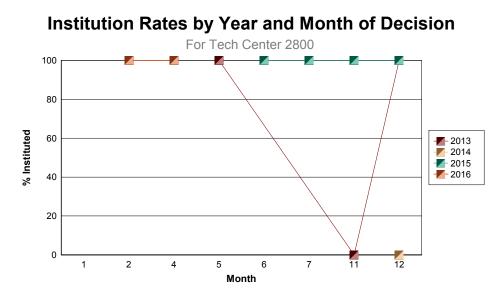
Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.



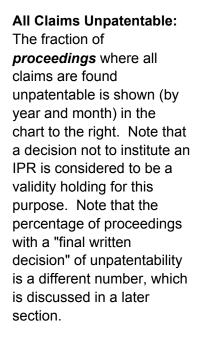
Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



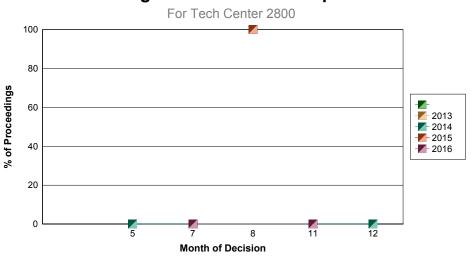
Petition Rates



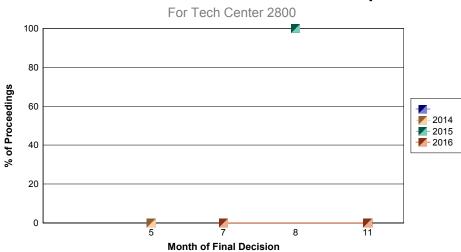
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



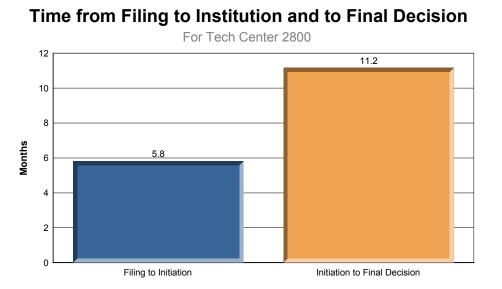
Proceedings with All Claims Unpatentable



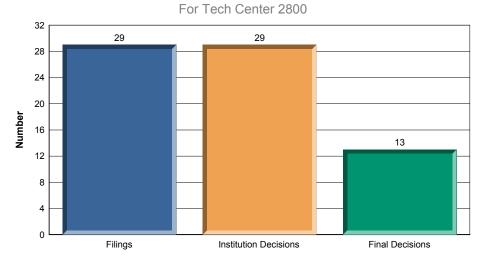
Final Written Decisions with All Claims Unpatentable



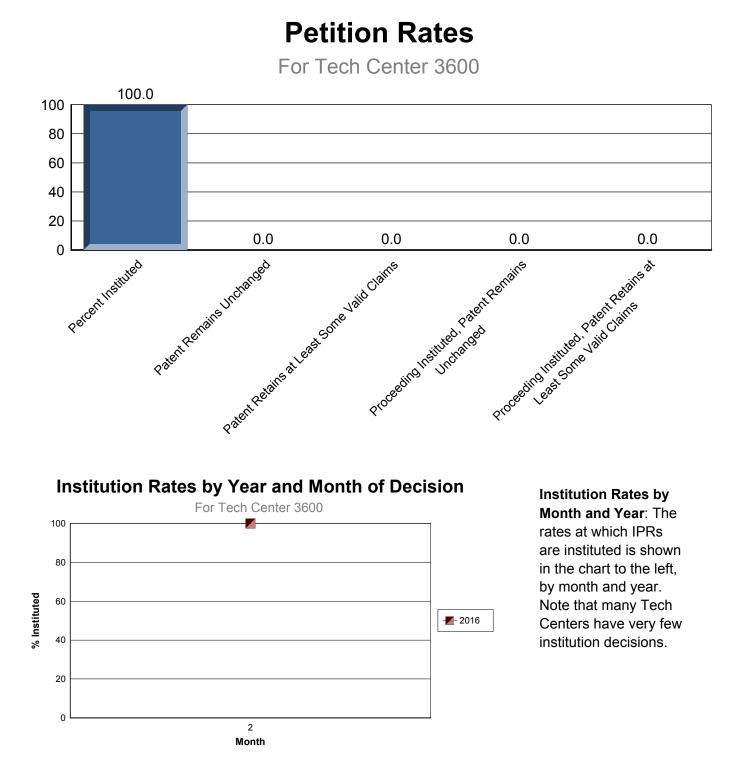
All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.

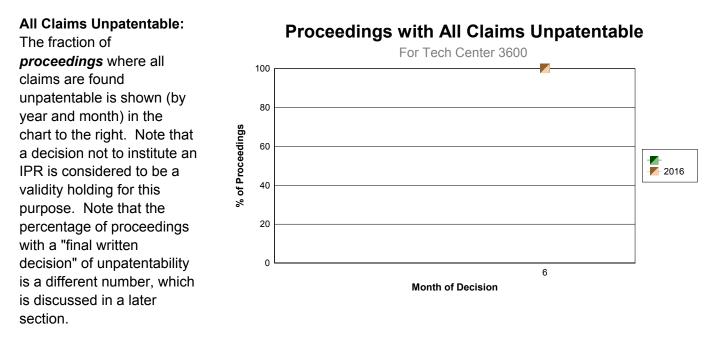


Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.

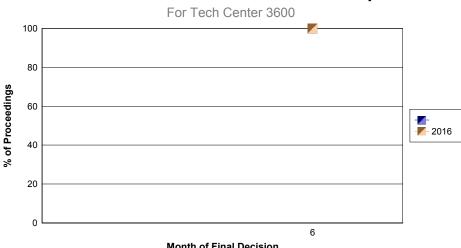


Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



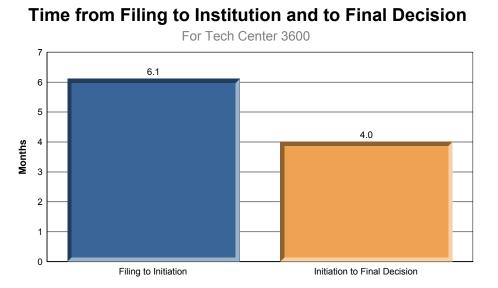


Final Written Decisions with All Claims Unpatentable

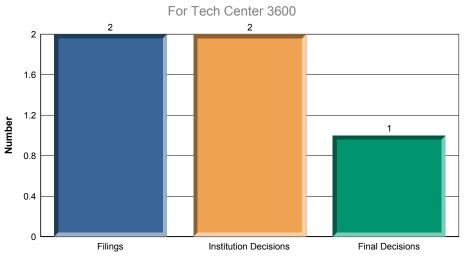


All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.

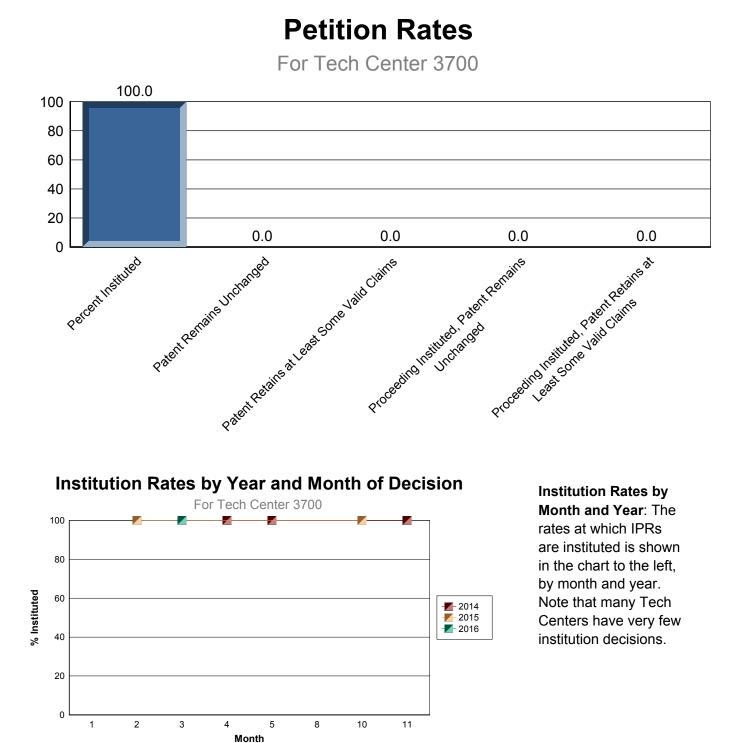
Month of Final Decision

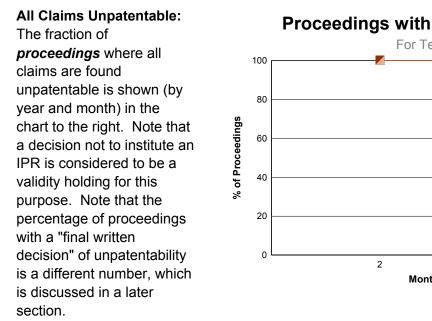


Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.

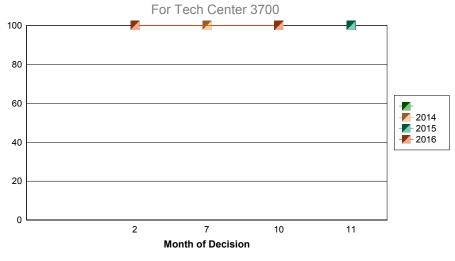


Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).

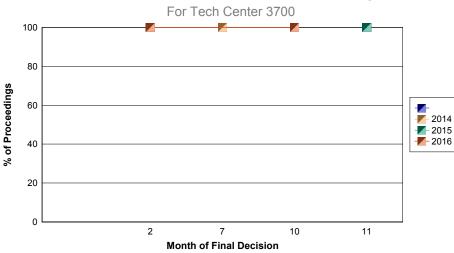




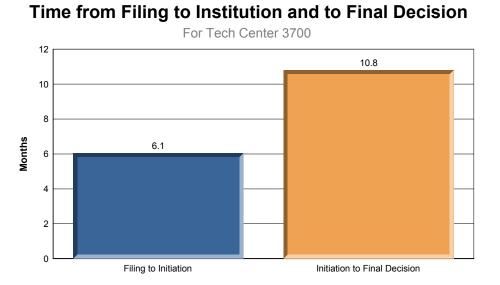
Proceedings with All Claims Unpatentable



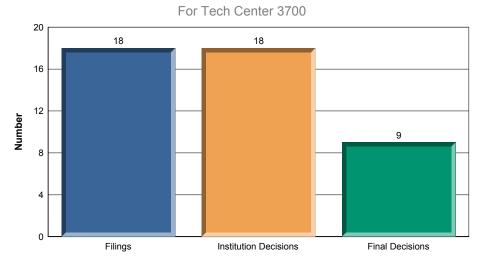
Final Written Decisions with All Claims Unpatentable



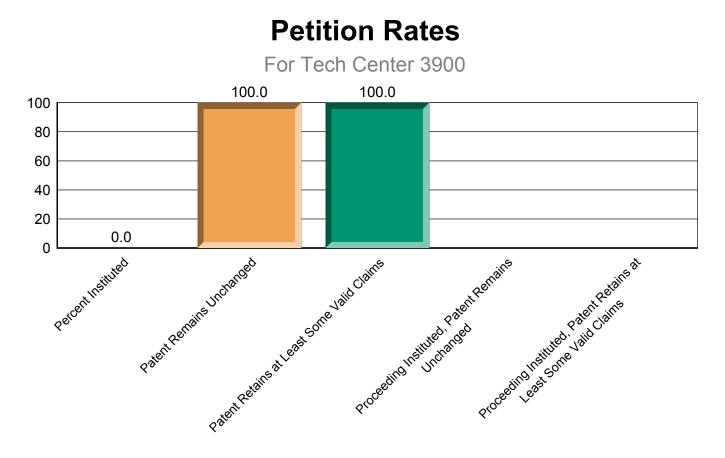
All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.



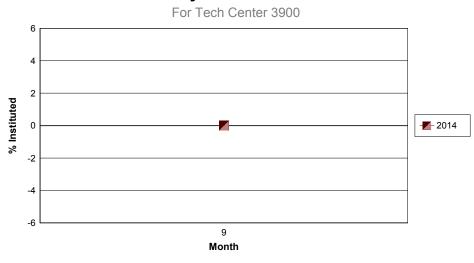
Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.



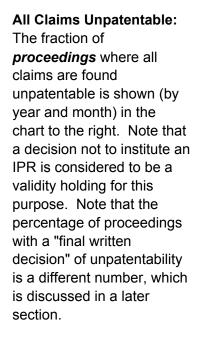
Overview: The institution rates, rates at which patents remain unchanged after institution decision and (if any) final decision, rates at which at least some claims survive IPR, rates at which patents for which a decision granting institution survive the IPR unscathed, and rates at which patents survive at least in part the IPR are shown in the chart below. Note that all these rates include proceedings where the institution of an IPR was denied. Note as well that not all Tech Centers have proceedings where the IPR was instituted. These are shown in the chart as blank (if applicable).



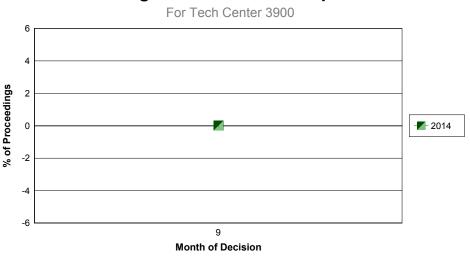
Institution Rates by Year and Month of Decision



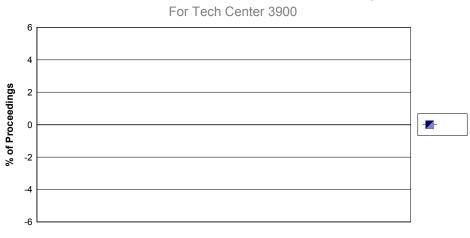
Institution Rates by Month and Year: The rates at which IPRs are instituted is shown in the chart to the left, by month and year. Note that many Tech Centers have very few institution decisions.



Proceedings with All Claims Unpatentable

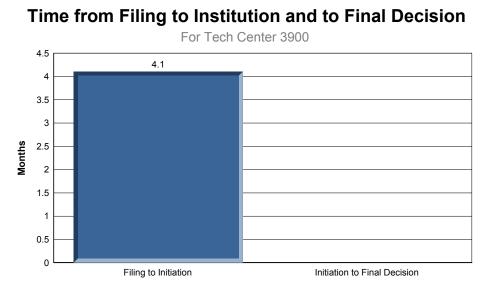


Final Written Decisions with All Claims Unpatentable



All Claims Unpatentable in Final Written Decision: In those cases that proceed to a final written decision, the probability of a finding of unpatentability of all claims is quite high. Note that some Tech Centers have no final written decisions.

Month of Final Decision



Number of Filings, Institution Decisions, and Final Written Decisions: The numbers of IPR filings, institution decisions and final written decisions (if any) for this Tech Center are shown in the chart below.

