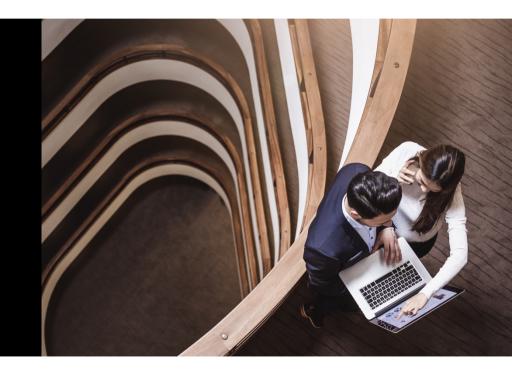




# The Future of Patent Prosecution

The role of analytics and the evolution of the patent practitioner

10/14/2021



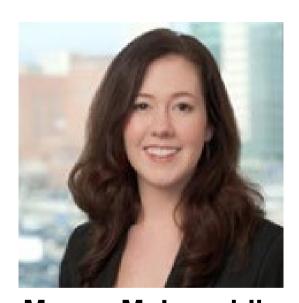
#### Today's Speakers



Dr. Michael Sartori

Partner

Baker Botts L.L.P.



Megan McLoughlin

Director of Product Management

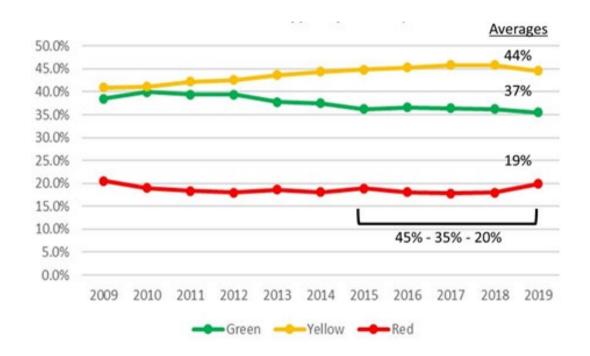
LexisNexis Intellectual

Property Solutions

## Today's Discussion

- Setting the scene: examiner variability over the past 10 years
- How prosecution analytics are changing the game
- Why data quality matters
- How to objectively measure your own prosecution performance

## Percentage of Examiners by Examiner Type

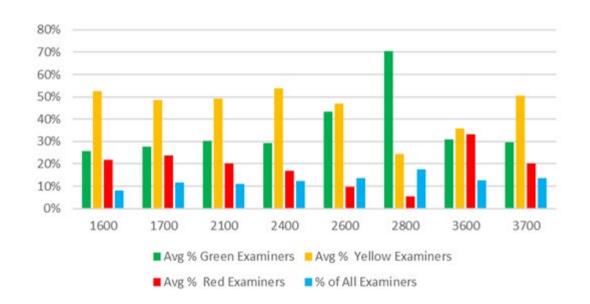


M. Sartori et al., "Green, Yellow, Or Red: What Color Is Your Patent Examiner and Why Should You Care?" *IPWatchdog*, January 21, 2021, <a href="https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/">https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/</a>.





## Percentage of Examiners by Tech Center

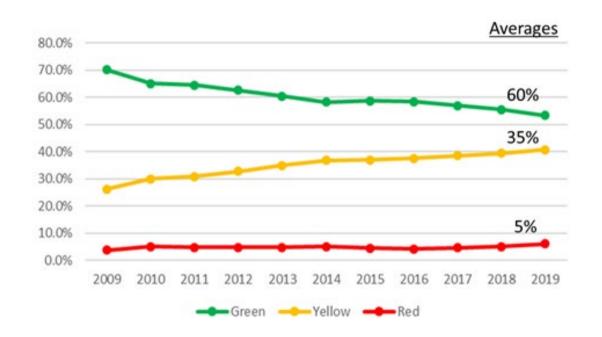


M. Sartori et al., "Green, Yellow, Or Red: What Color Is Your Patent Examiner and Why Should You Care?" *IPWatchdog*, January 21, 2021, <a href="https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/">https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/</a>.





## Percentage of Patents Allowed by Examiner Type

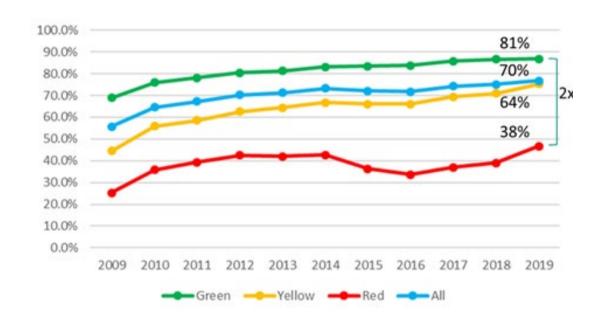


M. Sartori et al., "Green, Yellow, Or Red: What Color Is Your Patent Examiner and Why Should You Care?" *IPWatchdog*, January 21, 2021, <a href="https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/">https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/</a>.





#### Allowance Rate by Examiner Type



M. Sartori et al., "Green, Yellow, Or Red: What Color Is Your Patent Examiner and Why Should You Care?" *IPWatchdog*, January 21, 2021, <a href="https://www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/">www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/</a>.





#### Differences Between Green and Red Examiners

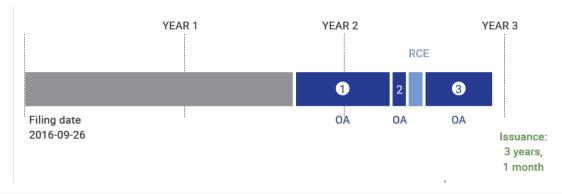
Metric	Green Examiner vs. Red Examiner
Allowance Rate	Green is 2x higher
Office Actions to Disposal	Red is 2x higher
Time to Disposal	Red is 2x higher
At least one Final Office Action	Red is 2x higher
Two or more Final Office Actions	Red is 4x higher
Office Actions with Restriction Requirement	Red is 50% higher
Interviews	Red is 2x higher
Allowance Rate in response to after final Amendment	Green is 3x higher
AFCP 2.0	Red is 3x higher
At least one RCE	Red is 2x higher
RCE'd Applications with two or more RCE's	Red is 2x higher
Allowance Rate in response to RCE	Green is 4x higher
Time to next Action after RCE	Red is 50% higher
Appeals	Red is 3x higher
Win Rate on Appeal	Green is 15% higher

M. Sartori et al., "Green, Yellow, Or Red: What Color Is Your Patent Examiner and Why Should You Care?" *IPWatchdog*, January 21, 2021, <a href="www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/">www.ipwatchdog.com/2021/01/21/green-yellow-red-color-patent-examiners/id=129219/</a>.





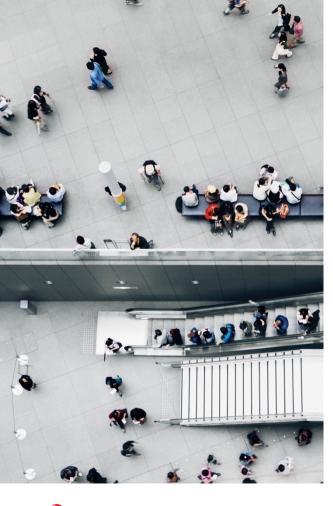
#### Good measurements account for examiner variability



	Examiner A	Examiner B
Allowance rate	80%	20%
Average OA to allowance	1.5	3.2
Good result?	✓	







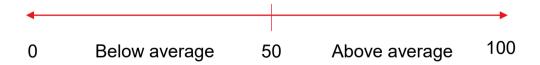
PatentAdvisor Efficiency Score™

#### Allowance rate: Patented / (Patented + Abandoned)

- Doesn't account for examiner variability
- Penalizes for abandonments

## PatentAdvisor Efficiency Score: how quickly applicants bring a case to resolution, relative to the examiner's average

- Normalized for examiner difficulty
- No penalty for abandonments







#### PatentAdvisor Efficiency Score™

Score every patented & abandoned case against "par" for the examiner
 Par = 3.5 office actions + 1 RCE for a patented case
 Score will be below 50 (average) because the case took much more than average.







#### PatentAdvisor Efficiency Score™

2. Average the scores for every application in the dataset.

Red score = average of all scores for applications with red examiners

Yellow score = average of all scores for applications with yellow examiners

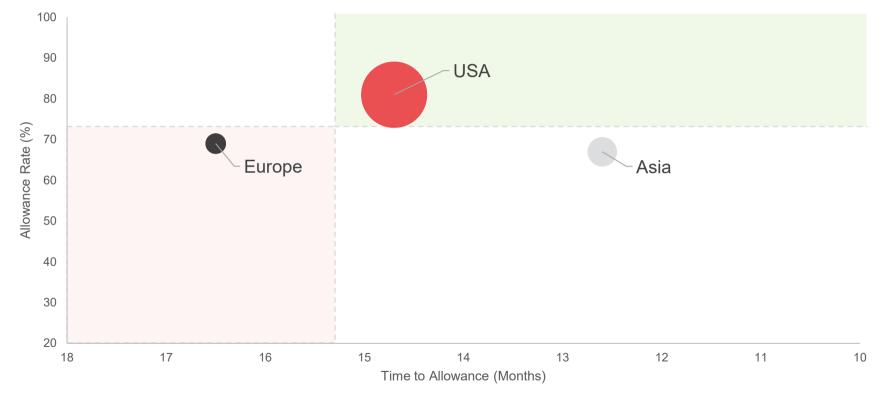
Green score = average of all scores for applications with green examiners

Overall score = weighted average of red, green, and yellow scores



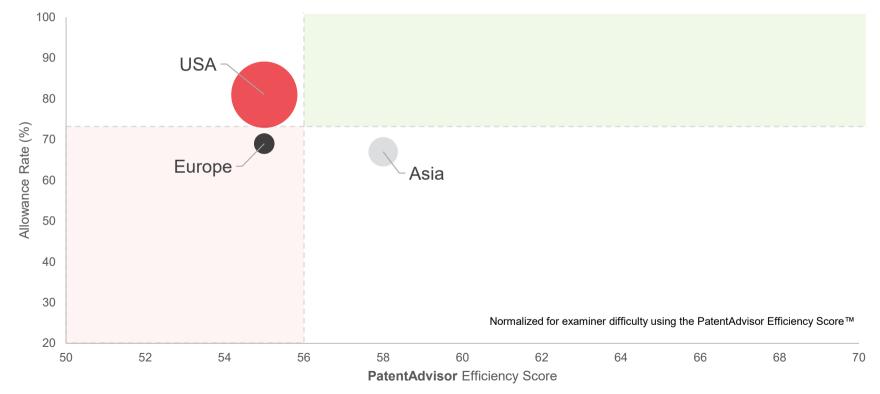


#### USPTO Technology Center Group 2120: Al & Simulation/modeling



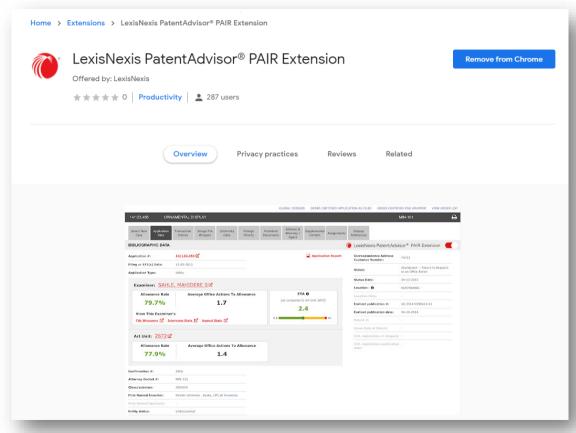


#### USPTO Technology Center Group 2120: Al & Simulation/modeling



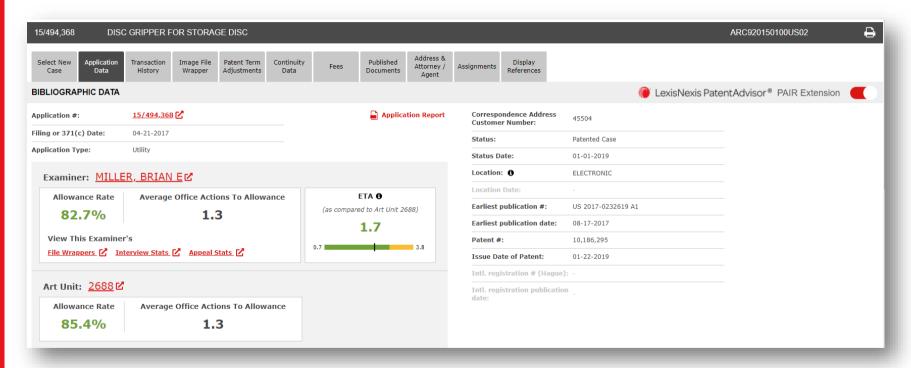


#### Bring the Data into Your Workflow





#### Bring the Data into Your Workflow



## "How USPTO Examiner Type Affects Patents"

#### IP Law360 4-part series of articles published in summer 2020

Part 1: Few Allow Many, Many Allow Few

Part 2: <u>Doubling the Effort</u>

Part 3: After Final Practice

Part 4: Impact on Patent Litigation

#### IP Watchdog summary article in January 2021









By Michael Sartori and Matt Welch (August 21, 2020)

Patent procurement at the U.S. Patent and Trademark Office is affected by the type of examiner.

We gathered data from the LexisNexis PatentAdvisor database for each year from 2009 to 2019, for examiners in each of eight nondesign Tech Centers at the USPTO from the LexisNexis PatentAdvisor patent proportion analysis of Advance.

The data shows that the type of examiner can impact patent litigation, both in the U.S. district courts and in post-grant proceedings (e.g., inter partes review proceedings) at the Patent Trial and Appeal Board, in terms of numbers and winning percentages.

This is the final article in a four-part series. The first part discussed the examiner types (so-called green, yellow and red examiners) and their effect on the number of potents issued each year. The second part explored the relationship between the examiner types and the effort required to obtain a patient, and the third part covered how examiner type

Figure 1 illustrates the number of patents litigated in at least one U.S. Max Wich district court proceeding sorted by the issue year of the patent and by several to examiner type. The data point for each year does not represent the number of patent litigations in that year but instead represents the number of patents issued that year and then litigated as some point.

As can be seen, the numbers for each examiner type decrease from 2013 to 2019 as patents issuing in these years likely have not yet had a chance to be asserted. Further, patents examined by oreen examiners are litioated much more than patents examined to



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#### **How USPTO Examiner Type Affects Patents: Part**

Rv Michael Sartori and Natt Welch (July 15, 2020, 3:47 PM FDT)

Patent procurement at the U.S. Patent and Trademark Office is affected by the type of examiner.

We gathered data from the LexisNexis PatentAdvisor patent prosecution analytics database for each year from 2000 to 2019, for examiners in each of eight nondesign Tech Centers at the USPTO. The data shows that the type of examiner can greatly affect the options available to an applicant once a final office action has been sent by the examiner.

This result is evident in the response to after-final amendments, the submission of requests under the After Final Consideration Pilot Program 2.0, the filing of requests for continued examination, and the appeals to the Patent Trial and Appeal Board.

The first two articles in this series discussed the examiner types (so called green, yellow and red examiners) and their effect on the number of patents issuing each year and the comparative extra effort required to obtain a patent.

Often in after-final practice, an after-final amendment is filed, and this first metric considers how each examiner type responds. Figure I illustrates the allowance rate in response to an after final amendment for each examiner type, as well as all examiners combined, for asolications (subtented or abandoned) in the time

Although the percentages for an allowance after an after-final amendment are relatively small, the percentages for an allowance for a green examiner are greater than average and greater than those for the yellow and red examiners.

From 2009 to 2019, the allowance rate for green examiners varied between 3.1% and 4.5%, for yellow examiners, which was close to the average, varied between 1.7% to 4.5%, for yellow examiners, which was close to the average and average to the average to the term of the three did not the term of the hallowance rate for each examiner type generally decreased, the average allowance rate for all examiners was 2.7%, and the allowance rate for green, yellow and red examiners was 3.8%, 2.4%, and 3.3%, respectively.



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## "A Practical Metric for Annual Patent Filing Targets"

*IP Law360* 3-part series of articles published in summer 2021

Part 1: U.S. Non-Provisional Applications

Part 2: U.S. Provisional Applications

Part 3: Foreign Applications







# Thank you!



Would you like more information about today's presentation?

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