Hello,

Please find our Topic Submission for Case Studies attached. Please let us know if you have any questions.

Best,
Britt Griffith

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Title: Use of automated patent examination tools to detect 101 and 112 issues, and the resulting increase in examiner efficiency and overall patent quality.

Proposal for Study: Examiners' use of **available** patent-specific natural language processing and issue detection software such as TurboPatent® results in significantly increased examiner review efficiency and accuracy in identifying 101 and 112 issues. Because of the dramatically reduced time required to identify formal errors, technical issues, vagueness, and specification support issues, such automation software enables examiners to allocate more of their time to address the overall quality of patent applications. The result is a significant decrease in time to issuance, and a significant increase in patent quality.

Explanation: In our assessment of thousands of reviewed patent applications, it is typical that dozens of errors remain undetected after examination. Given the allocated time for an examiner to assess an application, and given the complexity of patent application documents, it is not surprising that many 101 and 112 issues go undetected using the current toolset. Machines and software are superior in detecting these types of issues, as such technologies enable consistency that humans cannot match. Empowering USPTO examiners with automated patent examination software would dramatically reduce the time required to identify formal errors, technical issues, vagueness, and specification support issues, and would enable examiners to allocate more of their time to address the overall quality of patent applications as compared with examiners who are not provided with same software. Providing such automated patent examination software to examiners would significantly decrease the time to issuance, and significantly increase patent quality as compared to that of examiners who are not provided with the same software.

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