Algorithms to make privilege review faster and more reliable for legal service providers

Technology #cu15187

With the rapid increase in electronic storage and transfer of information, there is an unmet need for technical solutions to expedite the process of manually sorting through and analyzing large numbers of electronic documents. Specific to legal service providers, including law firms and litigation support professionals, attorneys must manually perform privilege review. This process includes wading through all documents related to a given case to determine which documents contain legal advice, in order to maintain attorney-client privilege. This technology proposes a series of algorithms that will help attorneys find privileged documents more quickly and reliably. With this technology, privileged documents can be found more quickly, and the risk of inadvertently disclosing privileged documents is minimized.

Pair of algorithms identifies useful relationships and relevant persons in email correspondence to accelerate privilege review

Existing software solutions try to train machines to automatically identify documents containing legal advice. However, automating this process is risky, and can result in false-negative identification of privileged documents. This technology is consciously not designed to make decisions for attorneys, but instead helps attorneys to make faster and more informed decisions during the privilege review process. Specifically, this technology describes a series of algorithms that use machine learning technology to decipher the role of people engaged in email communications, as well as find emails that potentially refer to attorneys, and thus potentially relay legal advice. Together, these algorithms will help reviewers to complete an exhaustive document search with a decreased risk of false-negative identification.

Lead Inventor:

Owen Rambow, Ph.D.

Applications:

- Privilege review software for law firms and legal support professionals
- Forensic analysis of electronic data
- Client management software for sales and business development
Advantages:

- Incorporates natural language processing into the privilege review process
- Decreases manual screening time by offering targeted suggestions
- Potentially decreases false-negative privilege identification

Patent Information:

Patent Pending

Tech Ventures Reference: IR CU15187

Related Publications:


Inventors

Owen Rambow