Innography’s PatentStrength® algorithm provides a predictive indicator for a patent’s likelihood of being involved in litigation. While there are many definitions for the value for a patent, litigation over a patent demonstrates that the patent’s claims cover an area of economic interest to multiple market participants, and that the patent’s claims are strong enough to put in front of a court.

In order to predict potential litigation, Innography performs complex regression analysis on patents that have been litigated versus patents that have not been litigated to understand the predictive factors that are helpful in forecasting litigation. While licensing could be a value factor, there are not enough publicly disclosed patents in licensing deals in order to get a statistically significant answer. Furthermore, litigation is extremely expensive and reflects someone’s belief that the patent is valuable enough to protect at additional cost.

The regression analysis involves millions of patents, each with over 30 various attributes that are computed for sensitivity. Based on the outcome of that analysis, Innography builds a predictive algorithm based on the most significant factors and their weightings. Each week, every patent is reviewed against these factors and weights (adjusting for age, increased forward citations, active/expired status, etc), generating a raw score. Those scores are then plotted on a global distribution curve across all patents, and the final result is PatentStrength, which is the percentile of where that patent lies on the distribution curve.

Innography continually monitors and improves this algorithm to reflect shifts in trends over time. In performance analysis over the last 15 years, Innography has identified that patents in the top 30% of the predictive scores (70-100%) represent 97% of patents that eventually ended up in litigation.

Each year, Innography clients use our software to make strategic decisions on $172B in R&D spend, along with $20B in licensing decisions, and management of $3B in litigation costs.
AUTOMATED INSIGHT
Innography leads the industry with algorithms designed to make IP research easier to conduct:

• PatentStrength
• CustomStrength®
• Expiration Date Calculations
• Citation Mining
• Market Map
• Classification Similarity
• Text Clustering
• Semantic Search
• Predicted Assignments

THE INNOGRAPHY ADVANTAGE

• **Data Cleansing:** Millions of Data Cleansing, Correlating and Normalizing rules updated weekly for the most reliable IP data possible

• **Data Sources:** 100+ Data Sources, updated as often as nightly

• **Full Text Coverage:** Over 55 Million full-text translated patents from 20 jurisdictions

• **Patent Search:** Nearly 100 Million patents and applications

• **Visualizations:** More than 50 exportable and editable charts

• **Semantic Search:** Metadata transversal and Semantic Search uncover hidden patents in seconds

• **PatentStrength:** Highlights the most valuable patents

• **Playbooks:** One-click reports that enable business users to leverage the power of IP analysis

• **Recognized Industry Innovator:** Innography Advanced Analysis is the winner of multiple industry awards

ABOUT INNOGRAPHY
Innography provides patent search and intellectual property analytics software that helps the world’s leading patent owners, innovators and decision-makers drive more business value from IP investments. Correlating 100 million patent documents with financial, litigation, market and business data, Innography helps clients track competitors, uncover lucrative revenue sources, pre-empt litigation risk and stay abreast of innovation trends. With more than 350 global clients across all product industry categories, Innography is proud to achieve customer satisfaction far above the industry average. Headquartered in Austin, Texas, Innography is a CPA Global company.

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