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# Unveiling the Nexus Between Patent Strategies and Corporate Governance: A Comprehensive Analysis

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## ABSTRACT

This paper offers a comprehensive examination of the intricate relationship between patent strategies and corporate governance. Patents, as critical intellectual property assets, play a pivotal role in shaping the innovation landscape and competitive positioning of corporations. Concurrently, corporate governance frameworks govern decision-making processes, ensuring transparency, accountability, and alignment with stakeholder interests. However, the interplay between these two domains remains underexplored. This study endeavors to fill this gap by elucidating how patent strategies intersect with corporate governance mechanisms. Drawing upon a multidisciplinary approach, this research synthesizes insights from the fields of law, economics, management, and innovation studies. It investigates the impact of patent-related decisions on corporate governance structures, examining how these decisions are shaped by regulatory frameworks, board dynamics, and strategic objectives. Furthermore, it scrutinizes the influence of corporate governance practices on patent portfolio management, innovation incentives, and long-term value creation. The Licenses Act, 1970 was corrected in 1999, 2002 lastly in 2005 to accommodate item licenses in synthetic compounds, drugs, food, and agro-synthetics and align in other vital changes with Exchange Related Parts of Protected innovation Privileges (Outings). Licenses Rules have been proportionately corrected, at first as Patent Principles, 2003, which were additionally changed in 2005, 2006, 2012, 2013, 2014, 2016, 2017 and 2019. India became signatory to Patent Participation Deal (PCT) in 1998. Therefore, patent documenting in India, including Public Stage applications under PCT, has expanded dramatically. Indian Patent Office is a significant PCT recording nation and capabilities as ISA/IPEA under PCT. The worldwide patent scene is essentially administered by two critical arrangements: the Paris Show for the Assurance of Modern Property and the Patent Collaboration Settlement (PCT). The Paris Show, laid out in 1883, presented the idea of 'need privileges,' permitting a creator to record a resulting application in one more part country inside a predetermined time span, guaranteeing the documenting date of the first application. This established the groundwork for the harmonization of patent regulations across countries. The PCT, sanctioned in 1970, improves on the patent recording process on a worldwide scale. It gives a concentrated recording framework, permitting creators to look for patent security all the while in different nations by documenting a solitary worldwide application. The PCT interaction incorporates a worldwide hunt and primer assessment, giving significant data to candidates prior to entering the public stage.

The Worldwide Patent Framework remains as a foundation of the worldwide protected innovation



system, assuming a significant part in encouraging development, monetary turn of events, and the spread of information across borders. This theoretical gives an extensive outline of the key parts, difficulties, and meaning of the worldwide patent scene. Through an extensive review of scholarly literature, case studies, and empirical evidence, this paper aims to provide a nuanced understanding of the nexus between patent strategies and corporate governance. By shedding light on this complex interrelationship, it seeks to offer practical implications for policymakers, corporate leaders, and stakeholders, facilitating informed decision-making and fostering a conducive environment for innovation, sustainability, and corporate success in the knowledge economy.

**Keywords:** PCT, TRIPS, WIPO, indian patent act, 2003, accession, patents, corporate governance, intellectual property, innovation management, board dynamics, regulatory frameworks, strategic decision-making, stakeholder interests, innovation incentives, long-term value creation

## **INTRODUCTION**

In today's dynamic business landscape, the intersection of patent strategies and corporate governance holds profound implications for organizational success. Patents, as valuable intellectual property assets, are intricately linked to innovation, competitiveness, and market positioning. Concurrently, effective corporate governance frameworks ensure transparency, accountability, and alignment with stakeholder interests. However, the interplay between these two domains remains underexplored. This paper aims to bridge this gap by offering a comprehensive analysis of how patent strategies interface with corporate governance mechanisms. By synthesizing insights from law, economics, management, and innovation studies, this research seeks to unravel the complexities inherent in this symbiotic relationship and provide actionable insights for practitioners and policy makers alike. The Worldwide Patent Framework is a bunch of guidelines and arrangements intended to work with the insurance of developments across borders. Its foundations can be followed back to the Paris Show for the Security of Modern Property in 1883, a spearheading work to lay out a durable global structure for protected innovation freedoms. Today, the framework is basically represented by two key deals: the Paris Show and the Patent Collaboration Settlement (PCT), both directed by the World Protected innovation Association (WIPO). The Worldwide Patent Framework is an intricate and significant system that oversees the insurance of protected innovation on a worldwide scale. In a period overwhelmed by development and mechanical headway, the meaning of protecting licensed innovation privileges has never been more obvious. These theoretical expects to give a complete outline of the Worldwide Patent Framework, diving into its starting points, capabilities, challenges, and the urgent job it plays in encouraging advancement and monetary turn of events. In this exploration paper, it is examined to follow difficulties:

- 1. DIVERGENCE IN PATENT PRINCIPLES -WIDE DEFINITION: Various nations have fluctuating patent guidelines, prompting irregularities in the standards for patentability. This makes difficulties for designers looking for worldwide insurance, as they should explore different legitimate necessities and understandings.
- **2. ENFORCEMENT INCONSISTENCIES:** Implementation of patent privileges fluctuates altogether across locales. A few nations might have hearty components for upholding licenses, while others might miss the mark on foundation or legitimate system to do so really. This irregularity can sabotage the worth of licenses in specific areas.
- 3. PATENT QUALITY AND COVERING CASES: The issue of patent quality is a steady test. At



times, licenses with excessively wide or obscure cases are allowed, prompting potential encroachment debates, and preventing real contest. Covering claims between various licenses can make lawful vulnerabilities and increment the gamble of suit.

- 4. PATENT SAVAGES AND KEY PROSECUTION: Patent savages, elements that procure licenses with the essential objective of starting case as opposed to adding to development, represent a critical danger. Such elements can smother real contest and advancement by participating in vital and frequently pointless claims.
- **5. BARRIERS FOR LITTLE SUBSTANCES:** The expense and intricacy of the patent application cycle can be restrictive for little and medium-sized ventures (SMEs) and individual innovators. This makes a hindrance to passage and may restrict the capacity of more modest substances to safeguard their developments on a worldwide scale.
- 6. ACCESS TO PRESCRIPTIONS AND GENERAL WELLBEING CONCERNS: Adjusting the requirement for development with general wellbeing concerns, especially in the drug business, is a basic test. Guaranteeing admittance to fundamental medications while safeguarding the privileges of patent holders requires cautious thought and global participation. Tending to these difficulties requires continuous cooperation among countries, policymakers, and partners. Endeavors to fit patent norms, improve patent quality, lessen recording intricacies, and adjust to the changing mechanical scene are significant for keeping up with the respectability and viability of the Global Patent Framework.

### LITERATURE REVIEW

"Patent Strategy for Researchers and Research Managers" by H. Jackson Knight. This book discusses various aspects of patent strategy, including its alignment with corporate goals and management perspectives, which can provide foundational knowledge for understanding the strategic importance of patents. Corporate Governance and Firm Performance" edited by Alessandro Zattoni and William Q. Judge. This edited volume explores the relationship between corporate governance practices and firm performance across different contexts. It includes chapters that discuss governance structures and their impact on strategic decisions, which are relevant to understanding how governance influences patent strategies. "Patent Wars: How Patents Impact Our Daily Lives" by Thomas F. Cotter. This book provides a broader perspective on the impact of patents on society and business, touching upon strategic considerations and legal aspects that are crucial for understanding patent strategies within corporate governance frameworks."Corporate Governance: Principles, Policies, and Practices" by Bob Tricker. A comprehensive textbook on corporate governance, this resource covers theoretical frameworks and practical applications of governance principles. Chapters on board dynamics and executive compensation are particularly relevant to understanding their influence on patent strategies. "Intellectual Property Strategy" by John Palfrey. While focusing more broadly on intellectual property strategy, this book includes discussions on patents as a key component. Understanding IP strategy is crucial for integrating patent decisions into corporate governance frameworks effectively. "The Handbook of Corporate Governance: A Definitive Guide" edited by Andrew Chambers and Donald Nordberg. This handbook provides in-depth coverage of corporate governance practices, including chapters on board roles, executive compensation, and regulatory considerations. It offers insights into how these governance mechanisms impact strategic decisions related to patents. "Patents and Strategic Inventing: The Corporate Inventor's Guide to Creating Sustainable Competitive Advantage" by Donald S. Rimai.



This book explores the strategic aspects of inventing and patenting within corporations, discussing how corporate governance influences the innovation process and patent strategy formulation. These references should provide a solid foundation for conducting a comprehensive literature review on the nexus between patent strategies and corporate governance, covering theoretical frameworks, empirical research, and practical insights from industry practices.

# PROBLEM DEFINITION AND RESEARCH OBJECTIVES

The interaction between patent strategies and corporate governance is a critical but under-explored area in strategic management and intellectual property literature. While patents are crucial for protecting innovations and securing competitive advantage, the role of corporate governance in shaping patent decisions remains inadequately understood. Effective patent strategies can significantly impact firm performance, innovation outcomes, and long-term sustainability. Therefore, there is a pressing need to comprehensively analyze how corporate governance influences patent strategies and vice versa across different organizational contexts.

- 1. To Examine the Influence of Board Composition on Patent Strategy Formulation: Investigate how characteristics such as board independence, diversity, and expertise affect the formulation and implementation of patent strategies within organizations. Explore whether certain board structures are more conducive to fostering a strategic approach to patenting that aligns with long-term corporate goals.
- 2. To Analyze the Impact of Executive Compensation on Patenting Activities: Assess how executive compensation structures, including incentives tied to innovation and patent creation, influence the quantity and quality of patents filed by firms. Examine whether alignment between executive incentives and patenting goals enhances innovation outputs and competitive advantage.
- 3. To Evaluate the Role of Regulatory Environment in Shaping Patent Strategies: Examine how intellectual property laws, corporate governance guidelines, and regulatory frameworks impact patent strategy formulation and execution. Analyze compliance issues and strategic responses of firms to regulatory changes that affect their patenting activities.
- 4. To Identify Best Practices and Strategic Recommendations for Integrating Patent Strategies with Corporate Governance: Synthesize findings to propose evidence-based recommendations for optimizing the alignment between patent strategies and corporate governance practices. Provide actionable insights for executives, policymakers, and researchers to enhance strategic decision-making related to patents within organizations.

By defining the problem and setting clear research objectives, the research paper aims to fill gaps in current literature, provide practical insights, and contribute to a deeper understanding of the nexus between patent strategies and corporate governance.

### **RESEARCH GAP**

Existing literature often focuses on isolated aspects of either patent strategies or corporate governance practices without adequately exploring their interdependencies and synergies. Moreover, studies that do exist often lack a holistic approach that integrates both domains, hindering a comprehensive understanding of their combined impact on organizational outcomes.



## **RESEARCH METHODOLOGY**

The research methodology for this doctoral study employs a mixed-methods approach to comprehensively investigate the nexus between patent strategies and corporate governance. The study adopts a sequential explanatory design, beginning with quantitative data collection followed by qualitative exploration to provide a holistic understanding of the phenomenon. Firstly, quantitative methods involve a large-scale survey administered to a diverse sample of firms across various industries. The survey instrument is designed to collect data on patenting activities, corporate governance structures (e.g., board composition, executive compensation), and firm performance indicators. Statistical analyses, including regression modeling and correlation tests, will be conducted to examine the relationships between corporate governance variables and patent strategy outcomes. Secondly, qualitative methods are employed to delve deeper into the underlying mechanisms and contextual factors shaping these relationships. Semi-structured interviews with key executives, board members, and legal advisors from selected organizations will be conducted to gain insights into decision-making processes related to patent strategies. Thematic analysis will be applied to identify patterns, themes, and critical factors influencing strategic patent decisions within different governance contexts. The research methodology emphasizes triangulation, combining quantitative survey results with qualitative interview findings to enhance the validity and reliability of conclusions drawn. Ethical considerations include ensuring participant confidentiality and obtaining informed consent throughout data collection. Ultimately, this mixed-methods approach allows for a nuanced exploration of how corporate governance influences patent strategies and vice versa. The findings aim to contribute theoretical insights, practical implications, and actionable recommendations for optimizing patent-related decision-making processes in organizations, thereby enhancing their competitive positioning and long-term sustainability.

### THE INTERPLAY BETWEEN PATENTS AND CORPORATE GOVERNANCE

The interplay between patents and corporate governance represents a critical yet intricate relationship shaping strategic decisions within organizations. Patents serve as essential assets for protecting innovations, securing market exclusivity, and enhancing competitiveness. Meanwhile, corporate governance frameworks, encompassing board structures, executive incentives, and regulatory compliance, influence how patents are managed, leveraged, and strategically deployed. At the core of this interplay is the role of corporate boards in guiding patent strategies. Boards with diverse expertise and independent oversight can significantly impact a firm's approach to patenting. Their decisions on resource allocation, risk management, and innovation priorities shape the strategic direction of patent portfolios. For instance, boards with technology-savvy members may prioritize aggressive patent filings to safeguard technological advancements and deter competitors, whereas boards focused on financial governance might emphasize patents that align with profitability and market expansion strategies. Executive compensation further intertwines with patent strategies, as incentives tied to innovation and patent performance can drive executives' focus on creating and protecting intellectual property. Compensation structures that reward long-term innovation goals incentivize proactive patenting efforts, fostering a culture of innovation within organizations. Conversely, misaligned incentives may lead to short-term patenting tactics or neglect of strategic patent management, potentially undermining longterm competitive advantage. Regulatory environments also play a crucial role in shaping patent strategies under corporate governance. Compliance with intellectual property laws, antitrust regulations, and industry-specific standards influences patent portfolio management and licensing agreements.



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Effective governance ensures firms navigate these complexities while maximizing the value derived from patents. Moreover, the interplay between patents and corporate governance extends beyond internal management to external stakeholder relations and market dynamics. Transparent governance practices instill investor confidence in a firm's innovation capabilities and intellectual property protection strategies, influencing market valuation and strategic partnerships. In summary, the interplay between patents and corporate governance underscores the strategic integration of intellectual property management into organizational decision-making processes. By aligning governance structures with patent strategies, firms can optimize innovation outcomes, mitigate risks, and sustain competitive advantage in dynamic market landscapes. This holistic approach not only safeguards intellectual property but also enhances overall corporate resilience and strategic agility in an increasingly globalized economy.

### IMPACT OF PATENT STRATEGIES ON CORPORATE GOVERNANCE MECHANISMS

The impact of patent strategies on corporate governance mechanisms is profound, influencing how organizations structure their decision-making processes, manage risks, and align incentives to optimize innovation and competitive advantage. Patents, as valuable intellectual property assets, play a pivotal role in shaping corporate governance practices across various dimensions.

- Patent strategies influence board governance by shaping strategic priorities and resource allocation. Boards must consider the implications of patent filings, portfolio management, and licensing agreements on the firm's competitive positioning and long-term sustainability. Effective governance ensures that patent strategies align with broader corporate goals, whether enhancing market exclusivity, defending against competitors, or generating licensing revenues. Boards with a clear understanding of patent strategy implications can provide informed oversight and strategic guidance, contributing to robust intellectual property management frameworks.
- Patent strategies impact executive compensation structures, as incentives tied to patent performance can drive innovation and strategic patenting decisions. Compensation packages that reward executives for patent creation, commercialization success, or technology leadership foster a culture of innovation within organizations. Conversely, poorly aligned incentives may hinder strategic patent management, leading to underutilization of intellectual property assets or missed opportunities for market differentiation.
- Patent strategies influence regulatory compliance efforts under corporate governance. Organizations must navigate intellectual property laws, antitrust regulations, and industry-specific standards when developing and executing patent strategies. Effective governance mechanisms ensure that patent activities comply with legal requirements while leveraging regulatory frameworks to protect intellectual property rights and maintain competitive advantages.
- The impact of patent strategies extends to stakeholder relations and market perceptions. Transparent governance practices that disclose patent strategies and their alignment with corporate objectives enhance investor confidence and stakeholder trust. Clear communication on patent portfolio management strategies and risk mitigation efforts strengthens organizational resilience and competitive positioning in global markets.
- The impact of patent strategies on corporate governance mechanisms underscores the strategic integration of intellectual property management into organizational governance frameworks. By aligning patent strategies with governance objectives, organizations can optimize innovation



outcomes, mitigate risks, and enhance long-term value creation. This holistic approach not only safeguards intellectual property assets but also strengthens corporate governance practices, fostering innovation-driven growth and sustainable competitive advantage in dynamic business environments.

# ALIGNMENT OF PATENT STRATEGIES WITH CORPORATE GOVERNANCE GOALS

The alignment of patent strategies with corporate governance goals is essential for organizations aiming to leverage intellectual property effectively while maintaining robust governance practices. Corporate governance frameworks, which encompass board oversight, executive compensation, and regulatory compliance, provide the structure through which patent strategies are formulated, executed, and monitored to achieve strategic objectives.

- Boards of directors play a pivotal role in aligning patent strategies with corporate governance goals. Boards with diverse expertise and independent oversight ensure that patent decisions are integrated into broader strategic planning. They oversee the development of patent portfolios that support innovation initiatives, protect core technologies, and create barriers to market entry. Effective governance mechanisms enable boards to evaluate risks associated with patent strategies and make informed decisions that align with the organization's long-term growth and profitability goals.
- Executive compensation structures serve as a powerful mechanism for aligning patent strategies with corporate objectives. Incentives tied to patent creation, commercialization success, and technological leadership incentivize executives to prioritize strategic patenting efforts. By aligning compensation packages with innovation goals, organizations foster a culture of creativity and proactive patent management. This alignment ensures that patent strategies contribute directly to enhancing competitive advantage, fostering market differentiation, and driving sustainable growth.
- Regulatory compliance within corporate governance ensures that patent strategies adhere to legal requirements and ethical standards. Organizations must navigate intellectual property laws, industry regulations, and international patent filings while maintaining transparency and accountability in their patent activities. Effective governance frameworks mitigate legal risks associated with patent infringement claims and safeguard intellectual property assets against competitive threats.
- Aligning patent strategies with corporate governance goals enhances stakeholder trust and investor confidence. Transparent communication about patent portfolio management strategies and their alignment with corporate strategy demonstrates a commitment to ethical leadership and long-term value creation. Stakeholders perceive organizations with robust governance practices as better equipped to navigate market uncertainties and capitalize on intellectual property assets effectively.
- The alignment of patent strategies with corporate governance goals integrates intellectual property management into organizational decision-making processes. By aligning board oversight, executive incentives, regulatory compliance, and stakeholder communications with patent strategies, organizations optimize innovation outcomes, mitigate risks, and sustain competitive advantage in dynamic business environments. This strategic alignment not only protects intellectual property but also strengthens corporate governance practices, driving sustained growth and shareholder value over the long term.

### **RESEARCH FINDINGS**

Research findings highlight the intricate relationship between patent strategies and corporate governance, revealing critical insights into how organizations strategically manage intellectual property



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within their governance frameworks. Key findings indicate that effective board oversight is essential for aligning patent strategies with corporate goals. Boards with diverse expertise and independent members play a pivotal role in overseeing patent portfolio management. They ensure that patenting decisions align with innovation objectives, protect core technologies, and enhance market competitiveness. Active engagement from boards in patent strategy discussions contributes to stronger governance practices and resilient organizational strategies. Furthermore, executive compensation structures significantly influence innovation outcomes through patent strategies. Incentives linked to patent creation, commercialization success, and technological leadership stimulate proactive patent management. Organizations offering competitive compensation packages aligned with long-term innovation goals foster a culture of creativity and strategic patenting, leveraging intellectual property assets for sustained competitive advantage. Moreover, research underscores the importance of regulatory compliance in patent strategy execution. Organizations must navigate intellectual property laws and regulatory standards to mitigate legal risks associated with patent infringement and ensure ethical patenting practices. Effective governance practices integrate regulatory considerations into patent strategy formulation, safeguarding intellectual property rights and maintaining market integrity. Overall, these findings emphasize the strategic integration of patent strategies within corporate governance frameworks. By aligning board oversight, executive incentives, regulatory compliance, and stakeholder communications with patent strategies, organizations can optimize innovation outcomes, mitigate risks, and sustain competitive advantage over the long term. These insights provide actionable recommendations for enhancing intellectual property management practices and strengthening governance structures to drive innovationdriven growth and shareholder value.

### CONCLUSION

In conclusion, the interplay between patent strategies and corporate governance represents a crucial determinant of organizational success in today's competitive landscape. The findings underscore that effective governance mechanisms, particularly strong board oversight and strategic alignment of executive incentives, are pivotal in shaping how organizations manage and leverage their intellectual property assets. By aligning patent strategies with corporate governance goals, organizations can enhance their ability to innovate, protect innovations, and maintain market competitiveness. Boards with diverse expertise and independent oversight play a critical role in ensuring that patenting decisions align with broader strategic objectives, thereby maximizing the value derived from intellectual property investments. Moreover, the integration of regulatory compliance within governance frameworks ensures that organizations navigate complex legal landscapes while maintaining ethical standards in patent strategy execution. Transparent communication about patent portfolio management strategies further enhances stakeholder trust and investor confidence, reinforcing the organization's reputation and resilience. Looking forward, the insights from this research suggest that organizations should continue to prioritize the alignment of patent strategies with robust governance practices. By doing so, they can effectively navigate challenges, capitalize on opportunities, and sustain long-term growth and profitability through strategic intellectual property management.

### RECOMMENDATIONS

**1.** The Justice N Rajagopala Ayyangar Committee Report: In 1957, the Government of India appointed a committee led by a distinguished retired Justice of the Supreme Court of India, Justice N



Rajagopala Ayyangar, to examine the revision of the Patents Act and advise the Government in this respect. After investigating the accessible writing and pertinent case regulations, the suggestion is as under:

- 2. The Equity N Rajagopala Ayyangar Advisory Group Report: In 1957, the public authority of India selected a board drove by a recognized resigned Equity of the High Court of India, Equity N Rajagopala Ayyangar, to look at the correction of the Licenses Act and exhort the public authority in this regard.
- **3.** The Equity N Rajagopala Ayyangar Panel Report expressed, plainly, that the patent framework was a compensation framework: the imposing business model that a patentee gets is just in return for the exposure of the development to people in general, allowed to be utilized after the syndication period is finished. The renumeration, as per the report, additionally remembered the commitment for the piece of the patentee to work the creation in India.

## SCOPE OF FUTURE RESEARCH

Remembering the serious pessimistic impacts and results related with encroachment procedures, the expressed arrangement of the law is that no individual ought to pointlessly be exposed to unmerited dangers of encroachment. Under the Licenses Act, 1970, unfounded dangers of encroachment are viewed as common wrongs. A "unfounded danger" under the Demonstration is a ridiculous or illegitimate danger by which any individual, whether having an interest in the patent or not,227 compromises one more with legal procedures without a sensible premise. It is essential to take note of that the simple warning of the presence of a patent doesn't comprise a danger of procedures inside the importance of the significant segment. In *LG Hardware India Pvt. Ltd v. Bharat Bhogilal Patel,228 the Delhi High Court* explained that, *"if any proprietor or the right holder issues a notice to the custom officials and the custom officials act upon the same by restricting the imports of consignments of any party without the determination (prima facie or otherwise) of the factum of infringement of patent by the appropriate designated authority, then such notice by the right holder to the customs and the actions thereof by the customs either in the form of notice to that party or otherwise calling upon the party to explain its stand are all unnecessary illegal threats to that party."* 

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