

# **Artificial Intelligence and Patent Law: Inventor Status and Ownership Rights**

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**Abstract:** *The revolution of Artificial Intelligence (AI) has transformed innovation, raising fundamental questions of its place in patent law, most notably with respect to inventor status and rights of ownership. This paper takes a critical look at the intricacies of inventions generated by AI, probing the difficulties of assigning inventorship and establishing ownership in current legal schemes. Using a comparative examination of global legal approaches and an investigation of Indian patent law, the research seeks to explain the significance of AI in the intellectual property context. The study emphasizes the need for reforms in the law to fit the changing reality of technological innovation..*

**Keywords:** Artificial Intelligence, Patent Law, Inventor Status, Ownership Rights, Intellectual Property, Indian Patents Act, Legal Reform, AI-generated Inventions

