

BOOK REVIEW

NANOTECHNOLOGY INTELLECTUAL PROPERTY RIGHT- RESEARCH, DESIGN AND COMMERCIALIZATION

Prabuddha Ganguli and Siddharth Jabade
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This book provides a detailed overview of the dynamics of development and commercialization in a science and technology led field such as nanotechnology. It highlights how the management of Intellectual Property Rights (IPR) has now become an integral part of the innovation and commercialization process. Written in a very appealing style, the authors present the complex subject matter very lucidly which makes the book for an easy and comprehensible reading. Dr. Prabuddha Ganguli a well known International IP consultant and currently MHRD IP Chair Professor at the Tezpur University with Mr. Siddharth Jabade has painstakingly worked to bring this one-of-its-kind book to Indian and International audience.

The six chapters titled as “How Big Is Small?”; “Patents: A Background”; “Looking for Nanotechnology Prior Art”; “Patent-Led Nanotechnology Business: Perspectives”; “Patent Litigations in Nanotechnologies” and “Interfacing with the Nanofuture” have been crafted to functionally serve as “read alone” sections and yet string together into a comprehensive thematic articulation of techno-legal aspects of nano-related innovations to aid their effective integration into business.

Through numerous case studies and pictorial illustrations, this book illustrates the nuances in IPR especially in patents addressing aspects ranging from ideation to commercialization of IP enabled nanotechnology to enable effective technology development and its commercialization. It effectively highlights the pitfalls in such effort touching upon issues of Jurisdiction, challenging/defending the validity of patents and negotiating settlements and strategic negotiations. The case studies in the book lucidly demonstrate the nucleation and growth of start-ups from within academic institutions through consolidation of the science and technology in nanotechnology. It also touches upon the construction of valuable patent portfolios, linkages of institutions and startups, and the dimensions of selective mergers, acquisitions, joint ventures and strategic investments.

The authors suggest a policy based institutional approach using IPRinternalise® as a model for capacity building of human and infrastructural

resources to seamlessly integrate IP with the process of education and innovation which will equip them with the required due diligence to avoid duplication and to work on non-infringing innovations for FTO in a market place.

The highlights of the six chapters explores the inclusive nature of Nanotechnology and its complex knowledge matrix that creates an ecosystem involving “nanovations”, benchmarking of patentability in multiple jurisdictions, prior art issues, the University-Industry interface in the emerging field of nano technology, patent litigation landscape and the emerging interface with the “Nanofuture”.

The case studies analyzed in the book clearly demonstrate the need for an integrated approach of IP in the complex emerging technologies where the new rules of the market ecosystem will demand creative and cooperative competition that will see higher level of precompetitive collaboration operating with higher levels of cautious openness so as to collectively maximize delivery from the minimal resources.

The book is very well presented. However the section on the challenges ahead in terms of the evolving laws related to nanotechnology patenting could have been elaborated.