Patent Laws For Scientists And Engineers

This book is a highly readable and entertaining account of the co-evolution of the patent system and the life science industries since the mid-19th century. The pharmaceutical industries have their origins in advances in synthetic chemistry and in natural products research. Both approaches to drug discovery and business have shaped patent law, as have the lobbying activities of the firms involved and their supporters in the legal profession. on the life science industries. Compared to the first edition, which told this story for the first time, the present edition focuses more on specific businesses, products and technologies, including Bayer, Pfizer, GlaxoSmithKline, aspirin, penicillin, monoclonal antibodies and polymerase chain reaction. Another difference is that this second edition also looks into the future, addressing new areas such as systems biology, stem cell research, and s to enable scientists to OC inventOCO life forms from scratch.

As technological developments multiply around the globe--even as the patenting of human genes comes under serious discussion--nations, companies, and researchers find themselves in conflict over intellectual property rights (IPRs). Now, an international group of experts presents the first multidisciplinary look at IPRs in an age of explosive growth in science and technology. This thought-provoking volume offers an update on current inter includes case studies on software, computer chips, optoelectronics, and biotechnology--areas characterized by high development cost and easy reproducibility. The volume covers these and other issues: Modern economic theory as a basis for approaching international IPRs. U.S. intellectual property practices versus those in Japan, India, the European Community, and the developing and newly industrializing countries. Trends in science a affect IPRs. Pros and cons of a uniform international IPRs regime versus a system reflecting national differences.

Dr Rimmer s book is a marvellous introduction to a crucial topic of our time. He writes engagingly, provocatively and always with good humour. A highly technical and complex area of law has been reduced to clear descriptions and searching analysis. Truly, this is an important book on an essential topic that will help define the ethics of a future that includes nothing less than the future of our species. From the foreword by the Hon Justice M High Court of Australia . . . the author has done an excellent job by explaining the subject in an open and accessible manner. This book is a timely and very thought-provoking analysis of patent law and biotechnology. . . The book is a unique theoretical contribution to the controversial public debate over commercialization of biological inventions. . . there is an extensive bibliography. . . a valuable resource for further reading. The book will be and patent attorneys, scientists and researchers, business managers and technology transfer specialists. Journal of Intellectual Property Rights Rimmer s book is highly recommended for anyone interested in the issues and debate related to biological inventions, regardless of which side the reader is on. Stefan M. Miller, Journal of Commercial Biotechnology . . . this book gives an excellent account of the most celebrated biotechnology cas this alone is to be thoroughly recommended. David Rogers, European Intellectual Property Review Rimmer has put a great deal of thought and effort into this series of chapters. For those looking at how to reform, direct and develop laws in relation to biotechnology, this book is brimming with ideas, suggestions and recommendations of what to do next. Rebecca Halford-Harrison, Chartered Institute of Patent Attorneys . . . an excellent introc thinking in an increasingly controversial and relevant area to humankind. Sharon Givoni, Australian Intellectual Property Law Bulletin Rimmer s new book is a timely and very thought-provoking analysis of patent law and biotechnology and asks a very serious question: can a 19th century patent system adequately deal with a 21st century industry? Kate McDonald, Australian Life Scientist This book documents and evaluates the dramatic exp law to accommodate various forms of biotechnology from micro-organisms, plants, and animals to human genes and stem cells. It makes a unique theoretical contribution to the controversial public debate over the commercialization of biological inventions. The author also considers the contradictions between the Supreme Court of Canada rulings in respect of the Harvard oncomouse, and genetically modified canola. He explores law, polic Australia and New Zealand in respect to gene patents and non-coding DNA. This study charts the rebellion against the European Union Biotechnology Directive particularly in respect of Myriad Genetics BRCA1 and BRCA2 patents, and stem cell patent applications. The book also considers whether patent law will accommodate frontier technologies such as bioinformatics, haplotype mapping, proteomics, pharmacogenomics, and nanotech and Biotechnology will be of prime interest to lawyers and patent attorneys, scientists and researchers, business managers and technology transfer specialists.

International in scope, Patent Fundamentals for Scientists and Engineers, Second Edition provides a clear explanation of the patent system and patent principles. Designed for non-lawyers, this book includes information on the patenting process, obtaining patent protection, and how to recognize patentable inventions and avoid legal problems of infringement. New in the Second Edition: Techniques for searching the Internet Internet addres references A new chapter providing the forms required to file a patent Expanded coverage of international patents The nontechnical style of this book makes it easy to read and understand. By providing a basic working knowledge of patents, Patent Fundamentals for Scientists and Engineers, Second Edition enables non-specialists to make well-informed decisions affecting new and patentable products. It is an ideal book for anyone without to understand the patent system, including scientists, engineers, inventors, researchers, business managers, entrepreneurs, and patent liaison workers.

Global Dimensions of Intellectual Property Rights in Science and Technology

Patent Law for Scientists and Engineers, 2015

The Price of Truth

Patent Fundamentals for Scientists and Engineers

A Twentieth Century History

How to Invent and Protect Your Invention

This book analyses the gendered nature of patent law and the knowledge governance system it supports. The vast majority of patented inventions are attributed to male inventors. While this has resulted in arguments that there are not enough women working in science, technology, engineering and mathematics, this book maintains that the issue lies with the very nature of patent law and how it governs knowledge. The reason why fewer women patent than men is that patent law and the knowledge governance system it supports are gendered. This book deconstructs patent law to reveal the multiple gendered binaries it embodies, and how these in turn reflect gendered understandings of what constitutes science and an invention, and a scientist and an inventor. Revealing the inherent biases of the patent system, as well as its reliance on an idea of the public domain, the book argues that an egalitarian knowledge governance system must go beyond socialised binaries to better govern knowledge creation, dissemination and maintenance. This book will appeal to scholars and policymakers in the field of patent law, as well as those in law and other disciplines with interests in law, gender and technology.

Invention and patents continues to be an important issue in technology and our global economy. Invention and Patenting provides a clear picture of how to be a prolific inventor, to understand patents, and the patent process. It provides an illuminating insight into the writing of invention disclosures to patents from the submission process to final drafts. The book shows how to communicate effectively with patent lawyers and patent examiners, teaching the language of “legalese.” This book is unique in covering both the early invention process to final patent drafting to provide high quality patents in technologies. Key features include: How to become an inventor, how to invent, to what is invention; How to write an invention disclosure to writing a patent; Examples of utility, design, and plant patents; How to prepare the background section, brief listing of figures, detailed description of the invention, claims, abstract to artwork; Using patent search engines; Writing independent and dependent claims; Analyzing office actions of the US and European patent offices; How to write an office action response and amending claims; and, Examples of Office Action responses, preliminary amendments, to notice of allowance response; Invention and Patenting is the first book by an engineer and inventor from a technologist’s point of view. It is an essential reference for engineers and inventors. It is also useful for graduate and undergraduate students in technology and the sciences.

Fully revised new edition that completely covers intellectual property law—and many related issues—for engineers, scientists, and entrepreneurs This book informs engineering and science students, technology professionals, and entrepreneurs about the intellectual property laws that are important in their careers. It covers all of the major areas of intellectual property development and protection in non-legalistic terms that are understandable to technology and science professionals. New material includes a comprehensive discussion on the American Invents Act (AIA), coverage of many new high-profile topics, such as patent protection the mobile communications industry, and a new chapter on "The Future of Technology, Engineering, and Intellectual Property." Now in its second edition, Intellectual Property Law for Engineers, Scientists, and Entrepreneurs enables inventors and creators to efficiently interface with an intellectual property attorney in order to obtain the maximum protection for their invention or creation, and to take steps to ensure that that invention or creation does not infringe upon the intellectual property rights of others. It includes patent, trade secret, mask work, and cybersquatting legal and procedural principles. The book also shows readers how to properly use new vehicles of intellectual property protection for novel software, biotech, and business method inventions. Additionally, it examines trademark protection for domain names, and other ancillary matters that fall within the genre of intellectual property protection. This informative text: Covers all of the major areas of intellectual property development and protection in clear, layman’s terms so as to be easily understood by technology and science professionals Provides detailed outlines of patent, trademark, copyright, and unfair competition laws Offers essays on famous and noteworthy inventors and their inventions—and features a copy of the first page of patents resulting from these inventors’ efforts Covers many new high-profile cases covering patent protection within the mobile communications industry Intellectual Property Law for Engineers, Scientists, and Entrepreneurs, Second Edition is an excellent text for graduate and undergraduate engineering students, as well as professionals and those starting a new technology business who need to know all the laws concerning their inventions and creations.

Although many texts attempt to explain intellectual property law to scientists and engineers, they are ineffective because they fail to present the subject within the proper scope; they are either too expansive or too detailed for the needs of researchers and inventors. Instead of giving a mile-high view of all types of intellectual property or, at the other extreme, turning readers into pseudo-patent attorneys, Patent Law for Scientists and Engineers provides researchers and students with an understanding of the aspects of patent law necessary to work with patent professionals and enhance patent coverage. The editor has structured the text so it can be easily integrated into a reader's research routine. Each chapter supports the issues discussed with fact patterns that emphasize the steps necessary to protect patent rights. The book describes actual scenarios encountered by scientists and engineers, highlighting the protection of latent patent rights that may exist within an invention or technical solution.

Tackling Gender Bias in Knowledge Governance

A Guide for Scientists, Engineers, Financiers, and Managers

Biological Inventions

A Patent Manual for Scientists and Engineers

Patent Law for Computer Scientists

Patent Law for Scientists and Engineers, 2016

This diverse and insightful volume investigates changing patterns of knowledge management practices and intellectual property regimes across a range of different techno-scientific disciplines and cultures. The book links the practices and regimes of the past with those of contemporary and emerging forms, covering the mid-19th century to the present. The contributors are noted scholars from various disciplines including history of science and technology, intellectual property law, and innovation studies. The chapters offer original perspectives on how proprietary regimes in knowledge production processes have developed as a socio-political phenomenon of modernity, as well as providing an analysis of the way individuals, institutions and techno-sciences interact within this culture. With in-depth analysis, this book will appeal to academics and students of STS (Science, Technology and Society), history of science and technology, business history, innovation studies, law, science and technology policy as well as business studies. Historians of science and technology and business will also find much to interest them in this book.

Intellectual property law is currently exploding, as demonstrated by the growth of technology transfer offices in universities. More and more scientists, companies, and institutions are rushing to secure intellectual property rights for their ideas and inventions. This process frustrates many people; patent laws are constantly changing, and most books about them are either overly technical or boring. Protecting Your Ideas: The Inventor's Guide to Patents is a succinct, straightforward guide to the system. This guide presents the steps involved in obtaining patent protection for inventions. It is easy to read and brimming with essential information and advice compounded from FAQs posed by the author's academic and industrial clientele. The text includes tips, warnings, and examples that guide the reader through the invention process so patent rights are not jeopardized. Checklists and other helpful information are provided to assist the inventor preparing to enter the patent process. The book includes valuable resource information and business guidance to protect the inventor from consumer fraud that is sometimes associated with the patent process. Protecting and Idea is a must read for every engineer, scientist, or amateur inventor. Simple, easy-to-read format demystifies the patent process Numerous example patents help to illustrate the issues involved Provides an overview of the types of intellectual property protection Incorporates up-to-date information about U.S. patent laws Advises inventors about the do's and don'ts of patenting Includes useful resources for helping inventors safeguard their ideas

Patent Law for Scientists, Inventors & Business Management is not a legal book for attorneys but rather is a practical discussion of critically important issues which cause patent applicants and those making the business decisions regarding patents to not infrequently lose patent rights. Too often brilliant inventive work coupled with a diligent well funded development effort leads to a patent which does not prevent third parties from using the invention without infringing or is invalid because of poor decisions during drafting and/or prosecution. This book educates the decision makers to the issues involved in obtaining valid patents with sufficiently broad scope to protect the assignee's investment. Whereas tax law is complex, patent law is not forgiving. With tax law often mistakes can be corrected by filing an amended return; with patent applications mistakes most often can not be corrected. It is critically important not to make mistakes in both drafting and prosecution of patent applications.

Bridges the gap between the realistic needs and questions of scientists and engineers and the legal skills of professionals in the patent field at a level accessible to those with no legal training • Written for inventors in lay terms that they can relate to or easily follow • Lays out the new features of patent law introduced by the America Invents Act of 2012 • Explains the differences between the first-to-invent and first-to-file rules and why the two rules will coexist • Focuses on the growth of new technologies in industry versus the laws protecting them

Patent Law - A Science Fiction Novel

Scientific Research and the Experimental Use Privilege in Patent Law

Past, Present and Future

Intellectual Property in Academia

Intellectual Property Management

Changing Your Career from Science to Patent Law

The most significant overhaul of the U.S. patent laws in decades occurred with the recent passage of the Leahy-Smith America Invents Act (AIA). Understanding the law that dictates what a patent is and how a patent is obtained and enforced, and the recent changes through statute or case law litigation presents unique challenges. This third edition of Patent Fundamentals for Scientists and Engineers examines the new Act and provides an overview of the patent system for the independent inventor as well as for members of the scientific and business community—whether a scientist, engineer, supervisor, or manager.In addition to a new chapter dedicated to the America Invents Act, the third edition includes annotations of the recent law changes, updates in all chapters, new figures, and new case studies. The authors discuss patent filing outside of the United States and also dedicate a chapter specifically to the Canadian patent system. They describe the key topics that anyone involved in the patent process needs to know, including what makes an invention patentable, the art of patent searching, and the crucial role of record keeping. The text also includes an indispensable glossary of patent terminology, as well as an appendix with sample U.S. Patent and Trademark Office (USPTO) forms.This book provides a valuable guide to assist inventors in dealing with the USPTO, as well as with patent professionals. The text describes the patent process from conception to application filing and is a must-have reference for scientists and businesspeople alike. Since the role of patent professionals is to obtain the maximum protection for inventors, both the inventor and businessperson would be well advised to understand and participate in all the steps involved. This book offers an excellent insight into the patent process.

Who owns inventions developed at US research universities? And who benefits from the current ownership regime? To answer these questions, Anna Marion Bieri discusses the transformation which has taken place in academia in regard to the involvement and commercialisation of patents and the effect university patenting has had on the academic mission and the scientific commons. Special emphasis is placed on the history and implementation of the Bayh-Dole Act - a widely-discussed law which facilitated the patenting and commercialisation of federally funded university inventions. On this basis, the author explores who should benefit from university inventions and how the current ownership regime should be modified to achieve this purpose. Finally, Anna Marion Bieri proposes that universities employ patents strategically in accordance with their research strengths.

Are you a scientist or engineer looking to make a career change? This book will help you understand what it's like to work in patent law and how you can make the transition. Breaking into the legal profession can be difficult. This is especially true for scientists looking for alternative careers. In this book, Dr. Holloway describes what it's like to work in patent law, explains what skills are required to be successful, and provides step-by-step instructions on how scientists and engineers can launch new careers in intellectual property law. Based on real life experience, this book exposes the inside world of patent law careers by providing: - a description of patent law - accounts of typical work days in patent practice - ideas on how to approach future employers - example job interview questions - ideas on how to make your job search successful - hints on how to craft resumes and cover letters - descriptions of what makes a successful patent professional - descriptions of other alternative careers including venture capital, science management, technology transfer, and scientific policy.

This concise introduction to European patent law and global patent perspectives combines the legal and economic perspectives to adopt a unique approach that serves both inventors -- engineers and scientists -- as well as financiers and economists. Written by experts with first-hand knowledge this book is completely up-to-date, taking into account recent additions to European patent law, especially in the field of biotechnology and genetics. While concentrating on the EU, the world perspective is nevertheless represented, including US particularities. The result is a set of guidelines allowing readers to develop a holistic patent strategy suitable for their specific needs. For scientists, engineers, managers and financiers in the chemical industry.

Learn from the Past, Create the Future

How Money Affects the Norms of Science

A Practical Guide for Scientists and Engineers

Building Biotechnology

Property Rights in Inventions Made Under Federal Space Research Contracts

Intellectual Property Rights and the Life Science Industries

Building Biotechnology helps readers start and manage biotechnology companies and understand the business of biotechnology. This acclaimed book describes the convergence of scientific, policy, regulatory, and commercial factors that drive the biotechnology industry and define its scope. In addition to its popularity among business professionals and scientists seeking to apply their skills to biotechnology, Building Biotechnology has also been adopted as a course text in dozens of advanced biotechnology programs. This fourth edition significantly expands upon the foundation laid by the first three, updating case law and business models in this dynamic industry and adding significantly more case studies, informative figures and tables. Most importantly, Building Biotechnology enables seasoned business professionals and entrepreneurial scientists alike to understand the drivers of biotechnology businesses and apply their established skills for commercial success.

The most significant overhaul of the U.S. patent laws in decades occurred with the recent passage of the Leahy-Smith America Invents Act (AIA). Understanding the law that dictates what a patent is and how a patent is obtained and enforced, and the recent changes through statute or case law litigation presents unique challenges. This third edition of Patent Fundamentals for Scientists and Engineers examines the new Act and provides an overview of the patent system for the independent inventor as well as for members of the scientific and business community—whether a scientist, engineer, supervisor, or manager. In addition to a new chapter dedicated to the America Invents Act, the third edition includes annotations of the recent law changes, updates in all chapters, new figures, and new case studies. The authors discuss patent filing outside of the United States and also dedicate a chapter specifically to the Canadian patent system. They describe the key topics that anyone involved in the patent process needs to know, including what makes an invention patentable, the art of patent searching, and the crucial role of record keeping. The text also includes an indispensable glossary of patent terminology, as well as an appendix with sample U.S. Patent and Trademark Office (USPTO) forms. This book provides a valuable guide to assist inventors in dealing with the USPTO, as well as with patent professionals. The text describes the patent process from conception to application filing and is a must-have reference for scientists and businesspeople alike. Since the role of patent professionals is to obtain the maximum protection for inventors, both the inventor and businessperson would be well advised to understand and participate in all the steps involved. This book offers an excellent insight into the patent process.

Patent laws are different in many countries, and inventors are sometimes at a loss to understand which basic requirements should be satisfied if an invention is to be granted a patent. This is particularly true for inventions implemented on a computer. While roughly a third of all applications (and granted patents) relate, in one way or another, to a computer, applications where the innovation mainly resides in software or in a business method are treated differently by the major patent offices in the US (USPTO), Japan (JPO), and Europe (EPO). The authors start with a thorough introduction into patent laws and practices, as well as in related intellectual property rights, which also explains the procedures at the USPTO, JPO and EPO and, in particular, the peculiarities in the treatment of applications centering on software or computers. Based on this theoretical description, next they present in a very structured way a huge set of case studies from different areas like business methods, databases, graphical user interfaces, digital rights management, and many more. Each set starts with a rather short description and claim of the "invention", then explains the arguments a legal examiner will probably have, and eventually refines the description step by step, until all the reservations are resolved. All of these case studies are based on real-world examples, and will thus give an inexperienced developer an idea about the required level of detail and description he will have to provide. Together, Closa, Gardiner, Giemsa and Machek have more than 70 years experience in the patent business. With their academic background in physics, electronic engineering, and computer science, they know about both the legal and the subject-based subtleties of computer-based inventions. With this book, they provide a guide to a patent examiner’s way of thinking in a clear and systematic manner, helping to prepare the first steps towards a successful patent application.

Given the increasing role of intellectual property (IP) in academic research, it is important for academic scientists to gain greater awareness and knowledge of the various issues involved with IP resulting from their research and inventions. In addition, the line between academic and industrial research has been blurred, and a large amount of crossover exists due to corporate funding of academic research and collaborations between company and university laboratories. These and other factors have complicated the push toward technology transfer in universities. As commercialization has become inseparable from university research, there is now an essential need for academics to have a greater understanding of the processes involved. Intellectual Property in Academia: A Practical Guide for Scientists and Engineers fills this need, providing an indispensable source of information for researchers in academia. You’ve Just Invented a Gadget - What Now? Written by a select team of IP professionals, most of whom also have years of experience as scientists, this volume addresses IP issues relevant to the academic community—including ways to efficiently deal with the structural constraints inherent in the university environment. Scientists and engineers will benefit from the authors’ insights and their advice on how to establish good communication with university Offices of Technology Transfer. This perspective affords a common language and facilitates a smoother path through IP procedures. The book covers the best approaches to determine invention novelty by prior art searching and gives step-by-step guidance in using the best modern electronic patent databases. It presents a unique practical approach for assessing the monetary value of ideas and provides software for invention valuation, which can be used even during the early stages of an invention’s development. The book also discusses invention ownership, which is a crucial issue for scientists employed by universities. Get Answers to Your Questions about the Steps in Invention Commercialization Taking a more comprehensive approach than a basic how-to book on patent law, this reference answers inventors’ frequently asked questions about employment legislation as well as business and market estimation, invention priority registration, and other necessary steps for the successful commercialization of university inventions. It presents encouraging examples of academic patent successes, describing both the right moves and common mistakes made by scientists. It also provides practical advice on patent writing, filing, and prosecution, useful for both academic and industrial researchers. Other key topics addressed by the text include using copyrighted material, protecting material with copyrights, crucial IP legislation, business models, and new trends and changes in the U.S. patent office. In short, readers will find that this book provides a pathway for easing their journey through the IP process.

Knowledge Management and Intellectual Property

Inventions and Patents

From Invention to Patent

First to File

Hearings Before the Subcommittee on Patents and Scientific Inventions of the Committee on Science and Astronautics, U.S. House of Representatives, Eighty-sixth Congress, First Session, on Public Law 85-568 ...

Patent Fundamentals for Scientists and Engineers, Third Edition

John Lambert lives the comfortable life of a Washington DC government bureaucrat. He has successfully navigated his way through the maze of the United States Patent Office to become the agency's director. His idyllic life is abruptly interrupted when the President's Chief of Staff orders him to a meeting in the Oval Office. What follows is a sarcastic and satiric look at the federal government, reality television, and first contact with extra-terrestrials

A straightforward guide to inventing, patenting, and technology commercialization for scientists and engineers Although chemists, physicists, biologists, polymer scientists, and engineers in industry are involved in potentially patentable work, they are often under-prepared for this all-important field. This book provides a clear, jargon-free, and comprehensive overview of the patenting process tailored specifically to the needs of scientists and engineers, including: Requirements for a patentable invention How to invent New laws created by President Obama's 2011 America Invents Act The process of applying for and obtaining a patent in the U.S. and in foreign countries Commercializing inventions and the importance of innovation Based on lecture notes refined over twenty-five years at The University of Akron, How to Invent and Protect Your Invention contains practical advice, colorful examples, and a wealth of personal experience from the authors.

This title offers a discerning insight into the disputes which have erupted in the constitutional courts of Europe and the US over the grant of gene patents and stem cell patents.

Scientific and technological innovations are forcing the inadequacies of patent law into the spotlight. Robin Feldman explains why patents are causing so much trouble. She urges lawmakers to focus on crafting rules that anticipate future bargaining, not on the impossible task of assigning precise boundaries to rights when an invention is new.

The Role of Patent Law in Poland's Transitioning Science and Technology Policy, and a Comparison with the Patent Laws of the United States

Intellectual Property Law for Engineers and Scientists

Patent Law for Scientists and Engineers

Steps to Protect Computer-Implemented Inventions

Patent Laws for Scientists and Engineers

"This comprehensive book is the first of its kind to take scientists and engineers beyond simply getting a patent granted. Through the author's extensive technical background and experience in intellectual property licensing, it ties the many technical, legal and business aspects of patent enforcement to the innovation and patenting stage in the patent value chain, with the objective of helping inventors to create valuable patents that can be capitalized. In easy-to-understand language, this book covers various aspects, including basic concepts of patent laws and rules, innovation protection, patenting, patents post-granting and patent licensing. With over 40 tables, 70 figures, nearly 100 cases and examples, and a comprehensive index table, it serves as a practical handbook for inventors and patent practitioners. This second edition incorporates the latest changes in the America Invents Act (AIA), with additional case studies and illustrations throughout the book. For inventors who want to file patents by themselves, this new edition provides guidelines and step-by-step instructions on preparing and filing a US provisional patent application, while avoiding the pitfalls that commonly occur in do-it-yourself patenting."--

Patent Laws for Scientists and EngineersCRC Press

Modern science is big business. Governments, universities, and corporations have invested billions of dollars in scientific and technological research in the hope of obtaining power and profit. For the most part, this investment has benefited science and society, leading to new discoveries, inventions, disciplines, specialties, jobs, and career opportunities. However, there is a dark side to the influx of money into science. Unbridled pursuit of financial gain in science can undermine scientific norms, such as objectivity, honesty, openness, respect for research participants, and social responsibility. In The Price of Truth, David B. Resnik examines some of the important and difficult questions resulting from the financial and economic aspects of modern science. How does money affect scientific research? Have scientists become entrepreneurs bent on making money instead of investigators searching for the truth? How does the commercialization of research affect the public's perception of science? Can scientists prevent money from corrupting the research enterprise? What types of rules, polices, and guidelines should scientists adopt to prevent financial interests from adversely affecting research and the public's opinion of science?

A Guide to Patents for Scientists and Engineers

Patents and Professors

The Inventor's Guide to Patents

Rethinking Patent Law

The Interdependence between Patent Law, Science, and Research Universities in the United States of America

Patent Law for Scientists, Inventors & Business Management

This book analyses the history of the international patent regime and the life science industries, both of which can be traced back to the late 19th century. The development of patent law is inextricably linked to expanding capacities to elucidate, manipulate and commercially exploit the molecular properties of micro-organisms, plants, animals and other organic raw materials. The story of the life science industries begins with the European synthetic dyestuff firms and culminates in present-day conglomerates like Aventis, Novartis and Pharmacia. Throughout the last century, chemical, pharmaceutical, seed and biotechnology firms were actively involved in reforming patent law and plant variety rights. The major beneficiaries have been the largest firms whose market dominance and influence over peoples' lives - aided by friendly intellectual property laws - has never been greater. This sparkling and stimulating book reveals the key repercussions caused by the expansion of life science industries for issues of international equity, public health, food security and biological diversity.

The U.S. patent system is in an accelerating race with human ingenuity and investments in innovation. In many respects the system has responded with admirable flexibility, but the strain of continual technological change and the greater importance ascribed to patents in a knowledge economy are exposing weaknesses including questionable patent quality, rising transaction costs, impediments to the dissemination of information through patents, and international inconsistencies. A panel including a mix of legal expertise, economists, technologists, and university and corporate officials recommends significant changes in the way the patent system operates. A Patent System for the 21st Century urges creation of a mechanism for post-grant challenges to newly issued patents, reinvigoration of the non-obviousness standard to quality for a patent, strengthening of the U.S. Patent and Trademark Office, simplified and less costly litigation, harmonization of the U.S., European, and Japanese examination process, and protection of some research from patent infringement liability.

An excellent text for clients to read before meeting with attorneys so they'll understand the fundamentals of patent, copyright, trade secret, trademark, mask work, and unfair competition laws. This is not a "do-it-yourself" manual but rather a ready reference tool for inventors or creators that will generate maximum efficiencies in obtaining, preserving and enforcing their intellectual property rights. It explains why they need to secure the services of IPR attorneys. Coverage includes employment contracts, including the ability of engineers to take confidential and secret knowledge to a new job, shop rights and information to help an entrepreneur establish a non-conflicting enterprise when leaving their prior employment. Sample forms of contracts, contract clauses, and points to consider before signing employment agreements are included. Coverage of copyright, software protection, and the Digital Millennium Copyright Act (DMCA) as well as the procedural variances in international intellectual property laws and procedures.

A Scientist and Engineer's Guide

Intellectual Property Law for Engineers, Scientists, and Entrepreneurs

Patents for Today's Scientist and Engineer

A Patent System for the 21st Century

Intellectual Property and Biotechnology

Patent Law and Women