World Patent Information 39 (2014) 95–101

Contents lists available at ScienceDirect

World Patent Information

journal homepage: www.elsevier.com/locate/worpatin

Literature listing and book review

1. Books

1.1. Recent reports and other monographs

International Protection of ICT Intellectual Property and Internationalization of ICT R&D, De Prato G., Nepelski D., Publications Office of the European Union, 2014, EUR 26650, http://publications.jrc.ec.europa.eu/repository/handle/111111111/31803.
Estimating UK investment in intangible assets and Intellectual Property Rights, UK Intellectual Property Office, Peter Goodridge, Haskel J., Wallis G., 2014, http://www.ipo.gov.uk/ipresearch-intangible.pdf.
The Australian Innovation Patent Survey, 2013, Prepared for IP Australia by Zeitsch J., Verve Economics, http://www.acip.gov.au/pdfs/Economic_Value_of_the_Innovation_Patent_-_Final_Report_-_Verve_Economics_-_24_Mar_2013.pdf.
Innovation, Patenting and Licensing in the UK: Evidence from the SIPU survey. UK Intellectual Property Office, Research commissioned by the Intellectual Property Office and carried out by Ashish Arora, Suma Athreye, Can Huang, 2013, http://www.ipo.gov.uk/ipresearch-sipu.pdf.
Final Report from the Expert Group on Intellectual Property Valuation, European Commission, Directorate-General for Research and Innovation, 2014, Final Report from the Expert Group on Intellectual Property Valuation, http://ec.europa.eu/research/innovation-union/pdf/Expert_Group_Report_on_Intellectual_Property_Valuation_IP_web_2.pdf#view=fit&pagemode=none.

1.2. Reviews are available as follows

Guidebook to Intellectual Property (6th edn) Sir Robin Jacob, Daniel Alexander QC and Matthew Fisher, Hart Publishing, 2013,reviewed by Lambert P. in Journal of Intellectual Property Law & Practice (2014) 9 (5), 441–442.
Knowledge Management and Intellectual Property, Eds: S Arapostathis, G.Dutfield, 2013 Edward Elgar Publishing, Cheltenham, UK, ISBN 978 0 85793 438 3.
Reviewed by Brian Spear:
Despite the title, this not a manual for IPR practitioners, rather a collection of 14 academic articles by academic authors on various aspects of the history/philosophy of science/technology with particular reference to how people have handled IPR in different ways at different times.
In brief they comprise: Edison's patents, the late 19th century German chemical industry patents, Baekeland's reliance on secrecy rather than patents for photographic paper, software piracy in Greece in the 1980's, inventor's moral right, the GB post office and wireless 1882–99, late 19th century GB patent disputes, international TV system standardization 1954–69, US university entrepreneurial science 1880–1920, GB plant breeding 1900–30, secret patents for atomic energy, the ethics of the international patent system, IPR in agriculture, and TRIPS 1950–2010. These articles are all interesting, well written/researched and eminently suitable for publication in appropriate academic journals but, given their wide range of subject matter and date ranges, it is debatable why they are published together in one book. In consequence, it is a book to dip into for the subjects that interest you rather than to read from end to end.
Brian Spear, email: brian_spear31@hotmail.com.

2. Journals

The listing in this issue includes entries found using SciVerse Scopus™, Elsevier's abstract and indexing database which gives access to almost 18,000 peer-reviewed titles from more than 5000 international publishers.

2.1. Search techniques, databases and analysis: classification: searcher certification

2.1.1. Search techniques, databases

A semantic analysis approach for identifying patent infringement based on a product-patent map. Park I., Yoon B., 2014, Technology Analysis and Strategic Management, http://dx.doi.org/10.1080/09537325.2014.909926.
A user-friendly patent search paradigm. Cao Y., Fan J., Li G., 2013, IEEE Transactions on Knowledge and Data Engineering, 25 (6), http://dx.doi.org/10.1109/TKDE.2012.63, 1439–1443.
Approach to identify SCI covered publications within non-patent references in patents. Shirabe M., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 1, 123–135.
Case study using mapping technology foresight as the main tool of scientific research. Dos Santos Amparo K.K., Do Ribeiro M.C.O., Guarieiro L.L.N., 2014, Perspectivas em Ciencia da Informacao, 17 (4), 195–209.
Combining surveying patent information, reappearing problem and discovering breakthrough for design-around. Chang H.-T., Chang C.-Y., Yang Y.-P., 2013, Proceedings of the International Conference on Engineering Design, ICED, 9 DS75-09, 417–426.
Dealing with temporal variation in patent categorization. D'hondt E., Verberne S., Oostdijk N., Beney J., Koster C., Boves L., 2014, Information Retrieval, http://dx.doi.org/10.1007/s10791-014-9239-6.
Development and tuning of an original search engine for patent libraries in medicinal chemistry. Pasche E., Gobeill J., Kreim O., Oezdemir-Zaech F., Vachon T., Lovis C., Ruch P., 2014, BMC bioinformatics, 15 Suppl 1, http://dx.doi.org/10.1186/1471-2105-15-S1-S15.
Development of innovative product design process using patent multi-scale analysis and TRIZ methodology. Trappey A.J.C., Trappey C.V., Wu C.-Y., Liaw Y.-C., Zhang F.-X., 2013, Proceedings of

http://dx.doi.org/10.1016/j.wpi.2014.06.010

International Conference on Computers and Industrial Engineering, CIE, 2, 1215–1225.
Development of patent roadmap based on technology roadmap by analyzing patterns of patent development. Jeong Y., Yoon B., 2014, Technovation, http://dx.doi.org/10.1016/j.technovation.2014.03.001.
Exploring research data in Indian institutional repositories. Bhat M.H., 2014, Program, 48 (2), 206–216.
From patent data to business intelligence – PSALM case studies. Tekic Z., Drazic M., Kukolj D., Vitas M., 2014, Procedia Engineering, 69, 296–303.
Function-based patent search: Achievements and open problems. Russo D., 2014, International Journal of Product Development, 19 (1–3), 39–63.
Identifying emerging research fields with practical applications via analysis of scientific and technical documents. Thomas P., Babko-Malaya O., Hunter D., Meyers A., Verhagen M., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 1, 896–911.
Interactive overlay maps for US patent (USPTO) data based on International Patent Classification (IPC). Leydesdorff L., Kushnir D., Rafols I., 2014, Scientometrics, 98 (3), 1583–1599.
Interpreting design structure in patents using an ontology library. Li Z., Tate D., 2013, Proceedings of the ASME Design Engineering Technical Conference, 5, http://dx.doi.org/10.1115/DETC2013-13191.
Open data and open code for big science of science studies. Light R.P., Polley D.E., Borner K., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 2, 1342–1356.
Patent early-warning model based on visualization. You W.T., Chen S., Yang Z.Y., Sun Z.Q., 2014, Applied Mechanics and Materials, 513–517, 2722–2725.
Prescriptive analytics system for improving research power. Song S.-K., Kim D.J., Hwang M., Kim J., Jeong D.-H., Lee S., Jung H., Sung W., Proceedings – 16th IEEE International Conference on Computational Science and Engineering, CSE 2013, http://dx.doi.org/10.1109/CSE.2013.169, 1144–1145.
Proposal of method for an automatic complementarities search between companies' R&D. Cordeiro P.V.M., Dergint D.E.A., Hatakeyama K., 2014, International Journal of Innovation and Technology Management, 11 (2), http://dx.doi.org/10.1142/S0219877014500011.
Rationale-based patent analysis for corporate product design. Liang Y., Liu Y., 2013, Proceedings of the ASME Design Engineering Technical Conference, 2 B, http://dx.doi.org/10.1115/DETC2013-12792.
Recognition and transformation of normal sub-sentence in Chinese-English patent machine translation. Zhang D.M., Zhu Y., Jin Y.H., 2014, Applied Mechanics and Materials, 513–517, 4610–4616.
Research and application of reordering of the Chinese NP "A+(de)+B+(de)+C". Liu X.D., Zhu Y., Jin Y.H., 2014, Applied Mechanics and Materials, 513–517, 2573–2576.
Research on sentence segmentation with conjunctions in patent machine translation. Xu L.F., Yun Z., Yang L.J., Jin Y.H., 2014, Applied Mechanics and Materials, 513–517, 4605–4609.
Research on the transformation of Ba-construction in patent machine translation. Chang W.F., Liu Z.Y., Jin Y.H., Bai L.N., Yan H.Y., 2014, Applied Mechanics and Materials, 513–517, 4601–4604.
Research paper recommender system evaluation: A quantitative literature survey. Beel J., Langer S., Genzmehr M., Gipp B., Breitinger C., Nurnberger A., 2013, ACM International Conference Proceeding Series, http://dx.doi.org/10.1145/2532508.2532512, 15–22.
Testing the basis for an automated design-by-analogy tool through comparison to expert thinking. Fu K., Chan J., Schunn C., Cagan J., Kotovsky K., 2013, Proceedings of the ASME Design Engineering Technical Conference, 5, http://dx.doi.org/10.1115/DETC2013-12128.
The earliest priority selector for compiling patent indicators. Milanez D.H., Milanez M.G., de Faria L.I.L., do Amaral R.M., Gregolin J.A.R., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 2, 1950–1953.
Using design database structures to characterize freedom-to-operate in a design space: A legal case study. Fu K., Dilmore J., Cagan J., Dougherty Jr. C.H., 2013, Proceedings of the International Conference on Engineering Design, ICED, 1 DS75-01, 409–418.

2.1.2. Analysis and statistics

A knowledge centric methodology for dental implant technology assessment using ontology based patent analysis and clinical meta-analysis. Trappey C.V., Trappey A.J.C., Peng H.-Y., Lin L.-D., Wang T.-M., 2014, Advanced Engineering Informatics, 28 (2), 153–165.
A method for text network analysis: Testing, development and application to the investigation of patent portfolios (rip). Kay L., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 2, 1202–1209.
A structured approach to explore knowledge flows through technology-based business methods by integrating patent citation analysis and text mining. No H.J., An Y., Park Y., 2014, Technological Forecasting and Social Change, http://dx.doi.org/10.1016/j.techfore.2014.04.007.
A technology forecasting method using text mining and visual apriori algorithm. Jun S., 2014, Applied Mathematics and Information Sciences, 8 (1 L), 35–40.
Access to universities' public knowledge: Who's more regionalist? Acosta M., Azagra-Caro J.M., Coronado D., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 1, 36–57.
Against the one-way-street: Analyzing knowledge transfer from industry to science. Fier H., Pyka A., 2014, Journal of Technology Transfer, 39 (2), 219–246.
An empirical analysis of the relationship between individual characteristics and research productivity. Fukuzawa N., 2014, Scientometrics, 99(3), 785–809.
Analysis of the relationship between patent litigation and citation: Subdivision of citations. Lim J., 2014, Applied Mathematics and Information Sciences, 8 (5), 2515–2522.
Assessing an interval of confidence to compile time-dependent patent indicators in nanotechnology. Milanez D.H., Macedo T.D., do Amaral R.M., de Faria L.I.L., Gregolin J.A.R., 2013, Proceedings of ISSI 2013 – 14th International Society of Scientometrics and Informetrics Conference, 2, 1877–1880.
Assessing the industrial opportunity of academic research with patent relatedness: A case study on polymer electrolyte fuel cells. Ogawa T., Kajikawa Y., 2014, Technological Forecasting and Social Change, http://dx.doi.org/10.1016/j.techfore.2014.04.002.
Assessment method for technology development of an industrial cluster by using spatial auto-correlation of patent applications. Nonaka H., Kawano S., Anai K., Hiraoka T., Ota T., Masuyama S., 2013, Proceedings of International Conference on Computers and Industrial Engineering, CIE, 1, 464–471.
China's patterns of international technological collaboration 1976–2010: a patent analysis study. Wang X., Ren J., Zhang Y., Zhu D., Qiu P., Huang M., 2014, Technology Analysis and Strategic Management, 26 (5), 531–546.
Competition and innovation: The inverted-u relationship revisited. Hashmi A.R., 2013, Review of Economics and Statistics, 95 (5), 1653–1668.
Corporate patents and knowledge sourcing from universities. Falk M., 2014, Empirica, 41 (1), 83–100.