

Patents

Economics, Policy and Measurement

F.M. Scherer

*Aetna Professor Emeritus, John F. Kennedy School of Government,
Harvard University and Lecturer, Woodrow Wilson School of Public
and International Affairs, Princeton University, USA*

Edward Elgar

Cheltenham, UK • Northampton, MA, USA

Contents

<i>Acknowledgements</i>	vii
<i>Introduction</i>	ix
PART I ECONOMIC ANALYSIS AND POLICY	
1 'The Economics of the Patent System', in F.M. Scherer, <i>Industrial Market Structure and Economic Performance</i> , 2nd edition, Rand McNally, 1980, 439–58.	3
2 'Nordhaus' Theory of Optimal Patent Life: A Geometric Interpretation', <i>American Economic Review</i> , 62 (3), June 1972, 422–7.	23
3 'Comment on Edmund Kitch', in John Palmer (ed.), <i>Research in Law and Economics</i> , 8, 1986, 51–8.	29
4 'The Economics of Human Gene Patents', <i>Academic Medicine</i> , 77 (12), December 2002, 1348–67.	37
5 'The Pharmaceutical Industry and World Intellectual Property Standards', <i>Vanderbilt Law Review</i> , 53 (6), November 2000, 2245–54.	57
6 'Economic Effects of Strengthening Pharmaceutical Patent Protection in Italy' (with Sandy Weisburst), <i>International Review of Industrial Property and Copyright Law</i> , 26 (6), 1995, 1009–24.	67
7 'Post-TRIPS Options for Access to Patented Medicines in Developing Nations' (with Jayashree Watal), <i>Journal of International Economic Law</i> , 5 (4), December 2002, 913–39.	83
8 'A Note on Global Welfare in Pharmaceutical Patenting', <i>The World Economy</i> , 27, July 2004, 1127–42.	110
PART II USING PATENT DATA TO MEASURE TECHNOLOGICAL INNOVATION	
9 'Firm Size, Market Structure, Opportunity, and the Output of Patented Inventions', <i>American Economic Review</i> , 55 (5), Part 1, December 1965, 1097–125.	129
10 'Corporate Inventive Output, Profits, and Growth', <i>Journal of Political Economy</i> , 73 (3), June 1965, 290–97.	158
11 'Inter-Industry Technology Flows in the United States', <i>Research Policy</i> , 11, 1982, 227–45.	166
12 'Demand-Pull and Technological Invention: Schmookler Revisited', <i>Journal of Industrial Economics</i> , 30 (3), March 1982, 225–37.	185
13 'The Propensity to Patent', <i>International Journal of Industrial Organization</i> , 1 (1), 1983, 107–28.	198
14 'Technology Flows Matrix Estimation Revisited', <i>Economic Systems Research</i> , 15 (3), September 2003, 327–49.	220

PART III WHAT DO THE MEASURES MEASURE?

- 15 'The Office of Technology Assessment and Forecast Industry Concordance as a Means of Identifying Industry Technology Origins', *World Patent Information*, 4 (1), 1982, 12–17. 245
- 16 'Exploring the Tail of Patented Invention Value Distributions' (with Dietmar Harhoff and Katrin Vopel), in Ove Granstrand (ed.), *Economics, Law and Intellectual Property*, Kluwer, 2003, 279–309. 251
- 17 'Citation Frequency and the Value of Patented Inventions' (with Dietmar Harhoff, Francis Narin, and Katrin Vopel), *Review of Economics and Statistics*, 81 (3), August 1999, 511–15. 282

PART IV THE ROAD AHEAD

- 18 'The Innovation Lottery', in Rochelle Dreyfuss, Diane Zimmerman and Harry First (eds), *Expanding the Boundaries of Intellectual Property*, Oxford University Press, 2001, 3–21. 289
- Name index* 309