# **Intellectual Property Rights in China**

Politics of piracy, trade and protection

Gordon C. K. Cheung



## **Intellectual Property Rights** in China

Politics of piracy, trade and protection

Gordon C. K. Cheung



First published 2009 by Routledge

2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN

Simultaneously published in the USA and Canada by Routledge 270 Madison Ave, New York, NY 10016

Routledge is an imprint of the Taylor & Francis Group, an informa business

© 2009 Gordon C. K. Cheung

Reprinted 2009, 2010

Typeset in Times by Wearset Ltd, Boldon, Tyne and Wear Printed and bound in Great Britain by the MPG Books Group

All rights reserved. No part of this book may be reprinted or reproduced or utilized in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publishers.

British Library Cataloguing in Publication Data
A catalogue record for this book is available from the British
Library

Library of Congress Cataloging in Publication Data Cheung, Gordon C. K.

Intellectual property rights in China: politics of piracy, trade and protection / Gordon Cheung.

p. cm. - (Routledge contemporary China series)

1. Intellectual property-Political aspects-China. I. Title. II. Series.

KNQ1155.C48275 2009

346.5104'8-dc22

2008039004

ISBN10: 0-415-36496-5 (hbk) ISBN10: 0-203-00681-X (ebk)

ISBN13: 978-0-415-36496-6 (hbk) ISBN13: 978-0-203-00681-8 (ebk)

## **Intellectual Property Rights in China**

Intellectual property rights (IPR) infringement is so rampant in China that counterfeit goods—from general household merchandise, garments and media consumables to specialist products including pharmaceutical products and supercomputer chips—can be found in roadside stalls, markets, shops, department stores and even laboratories of leading universities. If allowed to continue, these infringements may further engender a socially accepted culture of 'fakeness' that may seriously hamper innovation and economic progress.

Gordon C. K. Cheung uses the case of IPR to examine how and to what extent market forces and knowledge development affect the relationships of China and the world, especially the United States. Including detailed original statistics and data collected from Chinese provinces and cities and in-depth interviews with legal experts and policy makers, this book gives a unique insight into the opportunities and challenges that China faces as it increasingly becomes part of the global society.

Intellectual Property Rights in China is a stimulating read for anyone studying Chinese Business and International Political Economy.

**Gordon C. K. Cheung** is Lecturer in the School of Government and International Affairs, Durham University, UK.

#### Routledge contemporary China series

- 1 Nationalism, Democracy and National Integration in China Leong Liew and Wang Shaoguang
- 2 Hong Kong's Tortuous Democratization A comparative analysis Ming Sing
- 3 China's Business Reforms
  Institutional challenges in a
  globalised economy
  Edited by Russell Smyth and
  Cherrie Zhu
- 4 Challenges for China's
  Development
  An enterprise perspective
  Edited by David H. Brown and

Alasdair MacRean

- 5 New Crime in China
  Public order and human rights
  Ron Keith and Zhiqiu Lin
- 6 Non-Governmental
  Organizations in
  Contemporary China
  Paving the way to civil society?
  Qiusha Ma

- 7 Globalization and the Chinese City Fulong Wu
- 8 The Politics of China's Accession to the World Trade Organization The dragon goes global Hui Feng
- 9 Narrating China Jia Pingwa and his fictional world Yiyan Wang
- 10 Sex, Science and Morality in China

  Joanne McMillan
- 11 Politics in China since 1949
  Legitimizing authoritarian rule
  Robert Weatherley
- 12 International Human
  Resource Management in
  Chinese Multinationals
  Jie Shen and Vincent Edwards

#### 13 Unemployment in China

Economy, human resources and labour markets

Edited by Grace Lee and

Malcolm Warner

#### 14 China and Africa

Engagement and compromise lan Taylor

## 15 Gender and Education in China

Gender discourses and women's schooling in the early twentieth century Paul J. Bailey

#### 16 SARS

Reception and interpretation in three Chinese cities Edited by Deborah Davis and Helen Siu

## 17 Human Security and the Chinese State

Historical transformations and the modern quest for sovereignty *Robert E. Bedeski* 

#### 18 Gender and Work in Urban China

Women workers of the unlucky generation Liu Jieyu

## 19 China's State Enterprise Reform

From Marx to the market John Hassard, Jackie Sheehan, Meixiang Zhou, Jane Terpstra-Tong and Jonathan Morris

#### 20 Cultural Heritage Management in China

Preserving the cities of the Pearl River Delta Edited by Hilary du Cros and Yok-shiu F. Lee

#### 21 Paying for Progress

Public finance, human welfare and inequality in China Edited by Vivienne Shue and Christine Wong

#### 22 China's Foreign Trade Policy

The new constituencies Edited by Ka Zeng

#### 23 Hong Kong, China

Learning to belong to a nation Gordon Mathews, Tai-lok Lui, and Eric Kit-wai Ma

## 24 China Turns to Multilateralism

Foreign policy and regional security

Edited by Guoguang Wu and Helen Lansdowne

## 25 Tourism and Tibetan Culture in Transition

A place called Shangrila Ashild Kolås

#### 26 China's Emerging Cities

The making of new urbanism Edited by Fulong Wu

#### 27 China-US Relations

**Transformed**Perceptions and strategic interactions

Edited by Suisheng Zhao

## 28 The Chinese Party-State in the 21st Century

Adaptation and the reinvention of legitimacy Edited by André Laliberté and Marc Lanteigne

### 29 Political Change in Macao

Sonny Shiu-Hing Lo

#### 30 China's Energy Geopolitics

The Shanghai cooperation organization and Central Asia *Thrassy N. Marketos* 

## 31 Regime Legitimacy in Contemporary China

Institutional change and stability Edited by Thomas Heberer and Gunter Schubert

#### 32 U.S.-China Relations

China policy on Capitol Hill *Tao Xie* 

#### 33 Chinese Kinship

Contemporary anthropological perspectives Edited by Susanne Brandtstädter and Gonçalo D. Santos

## 34 Politics and Government in Hong Kong

Crisis under Chinese sovereignty Edited by Ming Sing

## 35 Rethinking Chinese Popular Culture

Cannibalizations of the canon Edited by Carlos Rojas and Eileen Cheng-yin Chow

## 36 Institutional Balancing in the Asia Pacific

Economic interdependence and China's rise

Kai He

#### 37 Rent Seeking in China

Edited by Tak-Wing Ngo and Yongping Wu

## 38 China, Xinjiang and Central Asia

History, transition and crossborder interaction into the 21st century

Edited by Colin Mackerras and Michael Clarke

## 39 Intellectual Property Rights in China

Politics of piracy, trade and protection *Gordon C. K. Cheung* 

For Flora, Edmund and Jenna

#### **Preface**

My interest in intellectual property rights (IPR) in China stemmed from my previous studies on the market liberalism that developed in US-Sino foreign economic relations after the Second World War. In other words. this book serves as an extension of the notion of market liberalism in US-Sino relations with particular reference to IPR disputes and IPR protection in China. In moving along the market development, China has gone through various truncated, if not zigzag, ways of development. Even after 30 years of economic openness following Deng Xiaoping's open door policy in 1978, market economy has always been a double-edged sword. The concomitant outcome of economic success has always been further criticism either on the ideological front or with regard to domestic socioeconomic problems. In the report of the 17th Party Congress in October 2007, Hu Jintao reemphasized the importance of Deng's economic development, which has increasingly become the core value of the current political economy in China. Yet, he also detailed the challenges of the social and economic costs of a market economy as well as rampant corruption and environmental problems.

In the area of international political economy, China is still working within an economic system largely constructed by the US market development after the Second World War. The US leadership role has witnessed a steady decline, but, as Susan Shirk and John Ikenberry recently pointed out, China should be acting as a responsible power and be in cooperation with the current superpower, the US – even if China can take the US on alone, China cannot replace the Western international order. China had made applications for membership in the World Trade Organization (WTO) since 1986. It was eventually accepted as a member in December 2001. With regard to an IPR regime, China has been learning quite rapidly to incorporate established IPR regimes into its economy, especially those from the World Intellectual Property Organization (WIPO) and Trade-related Aspects of Intellectual Property Rights (TRIPS) of the WTO.

#### xiv Preface

On the state level, China did effectively comply with many world treaties and global conventions. Even bilaterally, China has signed important agreements with the US. Yet, if we look to the provincial level, the picture of an IPR regime becomes hugely distorted by the intertwining political interests between local governments and business people. The key problem of IPR infringement is that implementation of laws is weak and ineffective. The third level would be that individual choices and consumer culture have been accelerated through the establishment of the market economy of China since 1978. Commodity, money and freedom to exercise individual's consumer power effectively transform China's economic landscape as well as contest Chinese people's acceptance and compliance of the global norms. What I am trying to demonstrate in this book, tentatively, is that while multilateral or bilateral agreements and legal establishments are necessary conditions for China to comply with international standards, they are not sufficient alone. In a country as large as China, we have to take into consideration the social and economic experiences to see how and whether the concept of IPR is being fully understood by people at various levels. In the game of catching up with global norms and standards, China is basically a follower, not a leader.

Some people may take a different view on the IPR issues in China, especially from the domestic and the developing nature of Chinese circumstances. They demand greater relaxation of China's compliance. This is highly debatable. I will therefore leave this open for people to consider. Finally, I spent lots of time reconstructing all the figures and the tables used in this book. If there are any errors, I am the only one to be blamed.

Gordon C. K. Cheung Durham 2008

### Acknowledgements

This book is the result of research that was carried out in various organizations: Renmin University in Beijing (2004), East Asian Institute (EAI) at the National University of Singapore (2005), St Antony's College at the University of Oxford (2005), World Intellectual Property Organization (WIPO) in Geneva (2006) and Universities Service Centre for China Studies at the Chinese University (USC) of Hong Kong (2007).

I thank Xinning Song from Renmin University, Steve Tsang from Oxford University, Gungwu Wang and John Wong from East Asian Institute of the National University of Singapore. Thanks are also due to the WIPO in Geneva for their helpful library resources during my visit in September 2006, especially to Tshimanga Kongolo and Lise McLeod. Thanks are due to Professor Xiao Jin from the USC for inviting me as visiting scholar during November 2007 to facilitate the archival and statistical research of four Chinese cities and provinces: Beijing, Zhejiang, Guangdong and Fujian. Various topics of intellectual property were presented in Tamkang University in Taipei and the University of Malaya in September 2005, National Central University, Taiwan in 2006 and Victoria University in Canada in April 2008, with thanks for the organizers' invitations. I thank the Universities' China Committee in London, Lee Foundation (Singapore) and the Asia-Link project of the European Commission for their financial support. I would like to thank Shaun Breslin, William A. Callahan, To-hao Liou, Khaw Lake Tee and Emile Yeoh for their comments. Many thanks to Michael Pendleton for his acceptance of sharing a great deal of his teaching and legal experiences of IPR in China, and also to other Chinese officials, scholars and respondents that I have interviewed. Thanks are also due to two reviewers of the manuscript, various editors of Asian studies from Routledge (especially Stephanie Rogers and Sonja van Leeuwen), Philippa Mulberry, my copy editor, and to my former student Nick Plosser for his polishing of the English. I have used some materials from a paper of mine entitled 'The political economy of social cost

#### xvi Acknowledgements

analysis in Sino-American disputes over intellectual property rights' which appeared in the *Journal of World Intellectual Property*, vol. 2, no. 2 (March 1999: 189–207) for Chapters 3 and 5. Thank you to Jacques Werner for permission to use that material here.

## **Contents**

	List of figures	Х
	List of tables	xi
	Preface	xiii
	Acknowledgements	XV
1	Introduction	1
2	Approaches and perspectives	7
3	US-Sino IPR disputes	24
4	New 'hot spots' of counterfeiting and Chinese	
	consumer culture	39
5	Protecting IPR: the Chinese way	63
6	Case study: dynamics and changes of trademark	
	development in China	83
7	Conclusion	96
	Notes	100
	References	102
	Index	112
	416WC26	

## **Figures**

Z. I	interactive foles between individual countries and	
	international society through the functions of tacit consent	
	and explicit consent	14
4.1	Total retail sales of consumer goods in China 2004–2005	57
4.2	Quadrangular relations between consumer culture and IPR	
	infringement in the Chinese context	59
5.1	The derivation of social cost of IPR disputes between	
	China and the US	79
5.2	Policy result of price mechanism	81

## **Tables**

3.1	US trade deficit with China 2000–2007	30
4.1	Per capita GDP and consumption level,	
	Guangdong 2000–2006	42
4.2	Average wage of staff and workers by city, Guangdong	
	2005–2006	43
4.3	Foreign direct investment by country (selected),	
	Guangdong 2000, 2005, 2006	44
4.4	Utilization of foreign capital by type, Guangdong 2006	45
4.5	Gross domestic product of Beijing 2000–2006	47
4.6	Basic information on household, Beijing 2000–2006	47
4.7	Foreign capital actually used of foreign funded	
	enterprises in Beijing 2005–2006	48
4.8	Gross domestic products, Zhejiang 2000-2005	49
4.9	Average wage of staff and workers in urban units,	
	Zhejiang 2000–2005	50
4.10	People's material and cultural life, Zhejiang	
	2000–2005	51
4.11	Gross domestic products, Fujian 2000–2006	53
4.12	Basic indicators of urban households, Fujian 2000-2006	54
4.13	Foreign direct investment by country, Fujian 2002–2006	54
4.14	Development and changes of Chinese consumer	
	culture before and after 1978	56
5.1	Major dishonest behaviours of Chinese enterprises 2002	66
5.2	Years of adoption and amendment of patent law,	
	trademark law and copyright law	67
5.3	Chinese copyrights management at a glance 2005	68
5.4	Domestic and overseas patents applications 1985–2005	70
5.5	Domestic and overseas patents granted 1985–2005	71
5.6	Top ten province/city applications for patents	
	in China 2005	72

	T	
XII	Tables	

5.7	Top ten foreign applications for patents in China 2005	72
5.8	Top ten foreign companies' applications for patents	
	in China 2005	73
5.9	China's membership of WIPO treaties	74
5.10	Percentage of foreign-owned patents in high-tech products	75
6.1	Six legislative developments in trademarks and	
	well-known marks between 1993 and 2003	87
6.2	Numbers of famous trademarks in Chinese provinces,	
	municipalities and autonomous regions 2001	89

#### 1 Introduction

Ban zheng, shenfenzheng, gongzuozheng, biyezheng ... [Needing any certificate, identity certificate, working certificate, graduation certificate ...]<sup>1</sup>

In 2004 the above words were murmured to me daily as I crossed the footbridge in Beijing in Zhongguancun Street to get to the university that I was visiting. These people were trying to sell different kinds of identity cards, counterfeit certificates and receipts to any passerby. Intellectual property rights (IPR) infringement is so rampant in China that fake goods and counterfeit products can be found in roadside stalls, markets, shops and even department stores. Street vendors also infiltrate every nook and corner of the streets with makeshift stands, even selling counterfeit products in broad daylight. In China, apart from the counterfeit production of computers, machine parts, garments, golf equipment and so on, fake products also include food, medicine and infant formula milk powder. In 2004 the fake infant formula milk powder, produced by some unknown factories and small businesses, led to 12 infant deaths and the permanent brain damage or physical impairment of 200 babies in Fuyang, Anhui province (Financial Times, 18 August 2004; and South China Morning Post, 7 January 2005).<sup>2</sup>

These cases demonstrate that counterfeit culture is rampant and is becoming part of the social life in China. No sooner had the Chinese government demonstrated to the global society a very successful Olympics games – both the result and the administration of – in August 2008, than a new scandal of tainted baby formula milk powder containing an industrial chemical called melamine spread from September 2008. This time, leading giants of dairy companies such as Sanlu, Mengniu and Yili were all discovered to be producing tainted baby milk powder leading to at least three babies being killed and more than 53,000 children being sick. Prime Minister Wen Jiabao had to apologize and promise a reform on food safety (Yardley and Barboza 2008). But more alarming perhaps was that the use