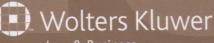
KLUWER LAW INTERNATIONAL

Spares, Repairs and Intellectual Property Rights

Editors: Christopher Heath and Anselm Kamperman Sanders



institute of European Studies of Macau 澳門歐洲研究學會 instituto de Estudos Europeus de Macau



Law & Business

KLUWER LAW INTERNATIONAL

Spares, Repairs and Intellectual Property Rights

IEEM International Intellectual Property Programmes

Christopher Heath and Anselm Kamperman Sanders (eds.)





AUSTIN BOSTON CHICAGO NEW YORK THE NETHERLANDS

Published by: Kluwer Law International PO Box 316 2400 AH Alphen aan den Rijn The Netherlands Website: www.kluwerlaw.com

Sold and distributed in North, Central and South America by:
Aspen Publishers, Inc.
7201 McKinney Circle
Frederick, MD 21704
United States of America
Email: customer.service@aspenpublishers.com

Sold and distributed in all other countries by: Turpin Distribution Services Ltd. Stratton Business Park Pegasus Drive, Biggleswade Bedfordshire SG18 8TQ United Kingdom Email: kluwerlaw@turpin-distribution.com

Printed on acid-free paper.

ISBN 978-90-411-3136-2

© 2009 Kluwer Law International BV, The Netherlands

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission from the publisher.

Permission to use this content must be obtained from the copyright owner. Please apply to: Permissions Department, Wolters Kluwer Legal, 76 Ninth Avenue, 7th Floor, New York, NY 10011-5201, USA. Email: permissions@kluwerlaw.com

Printed in Great Britain.

Spares, Repairs and Intellectual Property Rights

IEEM and International Intellectual Property Law

The involvement of the Institute of European Studies of Macau (IEEM) in matters of intellectual property is based on annual conferences that take up topical issues of intellectual property from a comparative perspective with a particular focus on Asia and Europe. The first of these conferences was held back in 2000, and has meanwhile become an annual event complemented by an Intellectual Property School and IP Master Classes. All three venues serve as a platform for academic teaching and discussion on intellectual property awareness and the proper place and function of intellectual property law in the context of society and public interest.

From the very start, the intellectual property conferences, the IP Law School and the Master Classes have enjoyed the support, assistance and commitment of Mr Gonçalo Cabral, who is an advisor to the Government of Macau, of Ms. Maria do Céu Esteves, past president of the IEEM, and the IEEM's current president Dr José Luís de Sales Marques. The latter was also instrumental in setting up an IEEM chair for intellectual property law at the University of Maastricht, currently held by Anselm Kamperman Sanders, thereby further contributing to IEEM's academic commitment to the field of intellectual property law.

The conference papers, as revised and updated, are edited by Christopher Heath and Anselm Kamperman Sanders as an IEEM Intellectual Property Series

the volumes of which are listed at the end of this book.

Abstract

Intellectual Property rights have obtained an unprecedented significance in devising business strategies of enterprises. Scope and exercise of such rights often conflicts with the interests of consumers and society at large. While on the one hand refill, recycle, and replacement of spare parts have become an ecological and economic necessity, this may run counter to attempts of manufacturers to monopolize the spare parts market or prohibit a recycle outright by the use of intellectual property rights. This book sheds light on the different interests involved, the different intellectual property rights that are used, and the competition issues to be considered in this respect.

Preface

The editors hereby present papers of the Seventh Intellectual Property Conference organized by the Macau Institute of European Studies (IEEM) on intellectual property (IP) law and the economic challenges for Asia.

The objective of the conferences is to provide up-to-date information on developments in global intellectual property law and policy and their impact on regional economic and cultural development. The conference on Spares, Repairs, and Intellectual Property Rights, whose papers are presented in this volume in updated form, took a holistic approach on the attempts of manufacturers to prevent the refill/recycle or exchange of spare parts as part of a business strategy that allows a competitive advantage at the market stage of selling the main product – and a subsequent recuperation of costs – by monopolising the market for spares, repairs and refills. While the first two chapters analyse the issue against the conflicting interests of manufacturers, consumers, spare parts makers, and the general public, the following Chapters three to seven answer the question to what extent such a business strategy can be more or less successful with respect to the different rights involved, and in different jurisdictions. The last chapter deals with the competition issues of the business strategy. The book thereby tries to answer two related questions: to what extent is it desirable to use intellectual property rights and contract in order to shift competition from the stage of the main product to the spare parts market; and to what extent can and does such a strategy work in markets such as Europe, the US, and, to some extent, China and Japan.

The success of the past IEEM intellectual property law seminars has turned the venue into an annual event that since the year 2005 has been coupled with the IP Law School and the IP Law Master Classes. The IP Law School is a unique initiative in Asia offering a taught programme in international intellectual property law and its relevance for Asian, European, and global economic development and

xx Preface

innovation policy. The master classes are much more topical and are taught jointly by the regular IP Law School team and expert speakers at the IP Seminar. The IP Law School and Master Classes form a seamless companion programme to the Annual Intellectual Property Seminar. The eighth conference in 2007, whose proceedings are forthcoming, analysed the issues of intellectual property and the pharmaceutical industry, while the ninth conference in 2008 looked at the tension between territorial IP rights and international trade. The tenth conference in 2009 highlights a number of landmark IP cases from various jurisdictions, and traces how these cases have shaped the international IP system today and how they may still affect future discussion and policy.

The editors would specifically like to thank Mr Gonçalo Cabral, who has been instrumental in organising both the IEEM annual seminars and the intellectual property summer school, and José Luís de Sales Marques, President of the IEEM, for his continuing support for both venues. Moreover, the seminars would not have happened without the tireless commitment of Bentham Fong, Beatrice Lam, and the other staff members of IEEM in Macao. Last but not least, the editors would like to thank Christine Robben of Kluwer Law International for having agreed to publish the proceedings of this and future conferences in a series on international intellectual property law.

Christopher Heath and Anselm Kamperman Sanders

About the Authors and Editors

Veronica Barresi is Research Fellow in Intellectual Property at University College London. She worked in the *cabinet* of the Italian judge at the European Court of Justice from 1997 to 2000 and as an associate at international law firm White & Case in its Rome and London offices between 2002 and 2007. She obtained an LLM degree from University College London in 2001.

She can be reached by email at v.barresi@ucl.ac.uk.

Estelle Derclaye, Lic. Droit, LL.M., D.E.S., Ph.D., PGCAP is associate professor and reader at the University of Nottingham, teaching and researching in intellectual property law. Prior to joining the University of Nottingham, Estelle was an associate specialising in intellectual property law in an international law firm in Brussels and was previously a lecturer at the Universities of Leicester and London (Queen Mary). She also spent time as a scholar at the Max-Planck Institute for Intellectual Property and Competition Law (Munich). In November 2005, she successfully defended her doctoral thesis on the legal protection of databases at the University of London (Queen Mary). A list of publications is available at: http://www.nottingham.ac.uk/law/lookup/lookup_az.php

She can be reached at estelle.derclaye@nottingham.ac.uk

Alison Firth is professor of law at the University of Surrey. From 2005-2009 she held a chair in commercial law at Newcastle University, England. She originally studied physics at Oxford University and later read for the English Bar, where she practised in intellectual property chambers. From 1987 to 2004 she taught at Queen Mary, University of London, specialising in intellectual property. In January 2005 she was January term visiting professor at the University of Western Ontario, Canada.

She can be reached by email at alison.firth@surrey.ac.uk

Christopher Heath (1964) studied at the Universities of Konstanz, Edinburgh and the LSE. He lived and worked in Japan for three years, and between 1992 and 2005 headed the Asian Department of the Max Planck Institute for Patent, Copyright and Competition Law in Munich. Christopher Heath, who wrote his PhD thesis on Japanese unfair competition prevention law, is a Member of the Boards of Appeal at the European Patent Office in Munich, co-editor of IIC and editor of the Max Planck Institute's Asian Intellectual Property Series published by Kluwer Law International.

He can be reached by e-mail at cheath@epo.org

Anselm Kamperman Sanders (1968), PhD (Lond.), is Professor in European and International Intellectual Property Law at Maastricht University, The Netherlands. He was Marie Curie Research Fellow at Queen Mary and Westfield College, University of London and has held a research grant from the VSB fund and a Chevening Scholarship, Further research, teaching and advisory affiliations comprise the International Institute of Infonomics, the ETH in Zürich, Switzerland and the Institute of European Studies of Macau SAR, China. In 2003 he was adjunct professor at the Queensland University of Technology, Brisbane, Australia. He has acted as Rapporteur to an EC Commission DG Research working group on Strategic Use and Adaptation of Intellectual Property Rights Systems in Information and Communications Technologies-based Research. Anselm has worked in developing countries on WTO accession assistance projects for the EC/GTZ. His editorial and advisory board memberships comprise the Maastricht Journal of European and Comparative Law, Intellectuele Eigendom en Reclamerecht, International Journal of Intellectual Property Management, and the Intellectual Property Quarterly.

He can be reached by e-mail at A.KampermanSanders@pr.unimaas.nl

Valentine Korah is a barrister who advises on competition, an emeritus professor of competition law, University College London, still teaching parts of LL.M. courses part time. She was visiting professor, responsible for dominant course on EC competition law at the College of Europe, Bruges 1985-2004, and is currently honorary professor of the College. She was a visiting professor at Fordham Law School spring semesters from 1991-2004. Valentine Korah is a member of the joint Bars and Law Societies of the UK, Working Party on Competition Law Reform, a member of the Foreign Advisory Board of the Antitrust Bulletin, on the editorial board of the World Competition Law and Economics and of Competition Law Insight. She is author to numerous articles, case notes and books, the best-known being EC Competition Law and Practice, 9th. ed., Hart Publishing, Oxford, September 2007.

She can be reached by e-mail at valentine.korah@ucl.ac.uk

David Llewelyn is External Director of the IP Academy Singapore; Professor of Intellectual Property Law at King's College London; and a partner of international law firm White & Case in its London office. He is joint author of Cornish & Llewelyn *Intellectual Property: Patents, Copyright, Trade Marks & Allied Rights*

(6th ed., 2007) and one of the authors of Kerly's Law of Trade Marks and Trade Names (14th ed., 2005).

He can be reached at david.llewelyn@kcl.ac.uk

Mineko Mohri is a Japanese attorney-at-law and also admitted in the New York State. Mineko earned her LL.M. degree from Stanford Law School (California), and is currently pursuing her PhD degree at Ludwig Maximilians University of Munich granted a scholarship from the Max Planck Institute for Patent, Copyright and Competition Law. She worked at Yuasa and Hara (Tokyo), Fross, Zelnick, Lehman and Zissu (New York), and Duane Morris (New York). She was a visiting scholar at the Max-Planck Institute (Munich) in 2004 and 2005.

She can be reached by e-mail at minekomo@stanfordalumni.org

Michael Pendleton (1953) taught at the Faculties of Law at Sydney University, University of Hong Kong Kong and Murdoch University. He presently teaches at the School of Law of Chinese University of Kong Kong. He practised law with Blake Dawson Waldron and Deacons Australia, Bird & Bird, UK and with Deacons, Hong Kong. He currently practises law with Baker & Mckenzie Hong Kong. According to Stephen Stewart QC LLD, writing in the *International and Comparative Law Quarterly* in 1985, Michael Pendleton's 1984 book on IP in Hong Kong was only the second book on IP as a whole subject after WR Cornish's seminal IP text in 1980. He wrote several books and many articles with the late Prof Zheng Chengsi. He was Chairman of the Law Reform Commission of Western Australia (1993) and member of two Copyright Law Review Committees.

He can be reached at mpendleton@cuhk.edu.hk

Andy Sun M.C.L., the George Washington University Law School, J.D., University of Maryland School of Law. The author is an Associate Professor at the Graduate Institute of Intellectual Property and the Graduate Institute of Interdisciplinary Laws, National Chengchi University, Taipei, Taiwan. He is also the Executive Director of the Asia Pacific Legal Institute, a non-profit organization chartered in Washington, D.C. and dedicated to the legal cooperation and exchange between the U.S. and East Asia.

E-mail: asun@apli.org and asun@ncu.edu.tw

Summary of Contents

Table of Contents	xi
Preface	xix
About the Authors and Editors	xxi
Part 1 General Overview: Balancing Interests of IP Owners and the General Public	1
Chapter 1 Right Holders' Control over Repair and Reconditioning David Llewelyn and Veronica Barresi	3
Chapter 2 Repair and Recycle between IP Rights, End User License Agreements and Encryption Estelle Derclaye	21
Part 2 Issues under Patent Law	57
Chapter 3 Repair and Recycle as Direct Patent Infringement? Mineko Mohri	59
Chapter 4 Repair and Refill as Indirect Patent Infringement Christopher Heath	85

Part 3 Issues under Copyright Law	103
issues under Copyright Law	103
Chapter 5 Blocking Repair or Fair Use of Software? The U.S. Perspectives on Anticircumvention Andy Y. Sun	105
Part 4	
Issues under Trade Mark and Design Law	125
Chapter 6	
Trademarks and Reconditioned Goods in Greater	
China and at Common Law	127
Michael D. Pendleton	
Chapter 7	
Repairs, Interconnections, and Consumer Welfare in the	
Field of Design	147
Alison Firth	
Part 5	
Issues under Competition Law	181
Chapter 8	
Antitrust Considerations: Refusal to License Intellectual	
Property in the U.S. and EC	183
Valentine Korah	
Subject Index	207
Case Index	209
	207

Table of Contents

rie	lace	XIX
About the Authors and Editors		xxi
	rt 1 neral Overview: Balancing Interests of IP Owners and General Public	1
the	General Lubic	an a si
Rig	apter 1 tht Holders' Control over Repair and Reconditioning wid Llewelyn and Veronica Barresi	3
I.	Introduction	3
II.	The EU Regime: Registered and Unregistered Design	4
11.	A. The Design Directive	5
	B. The Community Design Regulation	8
	C. The Proposal for Amending the Design Directive	8
Ш	The UK Regime	10
	A. The UK Registered Design Act	10
	B. Unregistered Designs	11
IV.		15
V.	Patents	18
Cha	apter 2	
Agr	pair and Recycle between IP Rights, End User License reements and Encryption elle Derclaye	21
I.	Introduction	21

II.	Preli	minary Questions	22
		Notions of 'Repair' and 'Recycle' and Their Legal Effects	22
		Intellectual Property Laws' Limits in Relation with	
		Repair and Recycle	24
		1. Copyright Law	24
		a. Europe	24
		b. The United States	25
		2. Patent Law	28
		a. Europe	28
		b. The United States	29
		3. Design Law	31
		a. Europe	31
		b. The United States	32
		4. Trademark Law	32
		a. Europe	32
		b. The United States	35
III.	Bloc	king Repair through End User License	
		eements and Technological Protection Measures	36
		Copyright Law	37
		1. Europe	37
		2. The United States	39
	B.	Patent Law	42
		1. Europe	42
		2. The United States	42
	C.	Design Law	42
		1. Europe	42
		2. The United States	42
	D.	Trademark Law	43
		1. Europe	43
		2. The United States	43
	E.	Use of EULAs or TPMs to Prevent Repair	
		When a Product Is Protected by Several IPRs	
		at the Same Time	43
IV.	Is It	Lawful to Block Recycle through EULAs and TPMs?	45
		Europe	45
		The United States	46
		1. Patent and Design Law	46
		2. Trademark and Copyright Law	49
V.	Shou	ald Limitations to Repair and Recycle Be Allowed?	49
		Blocking Repair	49
		Blocking Recycle	50
		Additional Safeguards	51
		1. Europe	51
		2. The United States	52
VI.	Cond	clusion	56

Tabl	e of	Contents	xiii
Part Issu		nder Patent Law	57
Rep		3 and Recycle as Direct Patent Infringement? Mohri	59
I.		oduction: Patent Exhaustion on Repair and Recycling	59
II.		pair and Recycling in Different Jurisdictions: The US, Japan,	61
		UK and Germany The US	61
	A.		01
		1. The Origins of Patent Exhaustion in the US Supreme Court	61
		2. Replacement of Unpatented Parts of Combination	01
		Products	62
		3. Multiple Factors and Extrinsic Conditions	63
		4. Not 'Repair', but 'Akin to Repair'	64
		5. Overview: Permissible Repair in the US	66
	В.	Japan	66
	٠.	Japanese Cases and Patent Exhaustion	66
		2. Canon as Decided by the Supreme Court	68
		3. <i>Canon</i> before the IP High Court	69
		4. Other Early Cases	71
		5. Overview: Permissible Repair in Japan	72
	C.	Germany	73
		1. 'Intended Use' and the Exhaustion Doctrine	73
		2. No Protection in Case of Replacement of	
		Consumable Spare Parts	74
		3. Alteration of the 'Identity' of Products:	
		The Flügelradzähler Case	75
		4. Overview: Permissible Repair in Germany	76
	D.	The UK: Denial of Implied License Theory in the	
		United Wire Case	76
III.	Inte	ernational Comparison: Single-Use Camera Case as	5
	the	Touchstone	77
IV.	AP	Possible Solution: Single-Use Restrictions?	80
V.	Syn	thesis and Thoughts on the Road Ahead	82
Cha	pter	4	
Rep	air a	and Refill as Indirect Patent Infringement ther Heath	85
Chirl	stopi	ver treum	
I.	Intr	oduction	85
		Direct and Indirect Infringement	85
		Senseo's Coffee Machine as an Example	86

II.	The Concept of 'Indirect' or 'Contributory' Infringement in	0.0
	Different Jurisdictions	88
	A. Europe: Germany, the Netherlands and the UK 1. The CPC	88 88
	2. The Netherlands	88
		90
		94
		95
	B. Asia: Japan and Korea	95
	1. Japan	96
	2. Korea	96
	C. The US	
	1. Inducement	96
TIT	2. Contributory Infringement	98
III.	Analysis	99
	A. Essential Element versus State of the Art	99
	B. State of the Art and Staple Products	100
	C. Objective Limits (Exhaustion) and	100
	Implied Permission	100
	D. Separation of Direct and Indirect Infringement	101
	E. Conclusion	101
Par	t 3	
Issu	nes under Copyright Law	103
Che	month in alleged eddin in description	
	apter 5 cking Repair or Fair Use of Software? The U.S. Perspectives	
	Anticircumvention	105
	ly Y. Sun	105
Ana	y 1. Sun	
I.	Introduction	105
II.	The Legislative Structure	107
	A. Types of Prohibitions	107
	B. Liabilities	108
	C. Exemptions	108
III.	The Judicial Interpretations	113
	A. Universal City Studios, Inc. v. Corley	113
	B. The Chamberlain Group, Inc. v. Skylink	
	Technologies, Inc.	114
	C. Lexmark International, Inc. v. Static Control	A Virginia
	Components, Inc.	116
	D. Storage Technology Corp. (a/k/a StorageTek) v.	110
	Custom Hardware Engineering &	
	Consulting, Inc.	118
IV.	Analyses and Comments	120
V.	Conclusion: The Good, the Bad, and the Ugly	
٠.	Conclusion. The Good, the Dad, and the Ugly	122