

Index

- Abbott Laboratories 38, 45–7
abuse of process 231
academic networks: Thailand 35–6,
42–3
Act Up–Paris 46–7, 52
Adamson, R.L. 82
African Regional Intellectual Property
Organization (ARIPO) 218
Agreement on Trade-Related Aspects
of Intellectual Property *see* TRIPS
Agreement
agro-biotech industries 16
seeds *see* seeds, illicit
AIDS *see* HIV/AIDS
American Chambers of Commerce
(AmChams) 16–17, 33, 46
Andersen, B. 80
animal varieties 211, 228
Anuradha, R.V. 84
Argentina 58, 61
patents 13–15, 25–6
strengthening interests 16–19
weakening interests 19, 20–25
arogyapacha plant 80–81, 89, 92–3,
102
benefit sharers, definition of 91
benefit sharing agreement, impact
of 93–6
identifying the Kanis 96–100
conclusion 101–2
key questions 85–6
lessons learnt 100
Arrow, K.J. 3
Artelsmair, G. 131, 132
Arthur, W.B. 213
Arya Vaidya Pharmacy (AVP) 92, 93,
95, 96
Astron Clinica Ltd and Others (2008)
219
Atkinson, S. 219
attorneys *see* lawyers
Australia: patent ownership 183, 190,
191, 192, 204
corporate patenting 192–201
ownership of US patents 189–90
winners, patent system 188
Austria 147, 189–90
Bakels, R.B. 186
Bale, Harvey 29
Barton, J.H. 186
Bates, M. 191
Bayer 69
BBC 63, 74
Beigbeder, Y. 1
Beland, D. 225
Belgium 147, 151, 189–90
Benford, R.D. 109
Bessen, J.E. 1, 3, 183, 184, 185, 186,
188, 204, 205, 227
Bettig, R.V. 90, 176
Bhatiasevi, A. 42
Biehl, J. 20
Bijoy, C.R. 86
bilateral trade agreements (BTAs) 17,
30
biodiversity 35
Convention on Biological Diversity
(CBD) 86, 87–8, 94
Biopatent Directive 129–30, 131–3,
218
conclusion 151–5
'economy' frame: introduction of
directive 133–4
'ethics' frame: contestation of
directive 134–6
European Parliament, role of 137–9
evaluation of 1998 outcome 142–5
frame analysis 130–31
frame constellation (1988–95) 136–7
frame constellation (1995–98)
139–42

- national implementation
 - (1998–2006) 147–8
 - frame constellation (1998–2003) 148–9
 - frame constellation (2004) 149–50
 - legislative outcomes 150–51
 - stem cells, human embryonic 145–7
- biopiracy 82, 91–2
 - see also* traditional knowledge
- biosafety: transgenic seeds 56, 58, 59, 61–2, 68–9, 70, 73–5
- Black, J. 137
- Blakeney, M. 84
- Bodoni, S. 231
- Boldrin, M. 183, 185
- Bolkestein, Frits 116, 117–18
- Borrás, S. 132
- Boseley, S. 42
- Bouwen, P. 108
- Boyce, Ralph 33–4
- Boyd, S.L. 82
- Boyle, J. 3, 154
- Brazil 35, 48, 58, 59, 61
 - compulsory licences 21, 50
 - patents 13–15, 25–6
 - strengthening interests 16–19
 - weakening interests 19–25
- breast cancer genes, patents on 140
- Bretthauer, L. 160, 166
- Brimelow, Alison 151
- Bristol-Myers Squibb (BMS) 41–2, 52, 201
- British Telecom 116
- Brush, S.B. 89
- Bt cotton *see under* India
- Buena Vista 163
- Burk, D.L. 153
- Bush, George W. 32
- business methods patents 205, 207, 222
- Butler, J.P. 49
- Byerlee, D. 82

- Calestous, J. 81
- Canada
 - patents 67, 189, 190, 195, 220
 - transgenic crops 57, 61
- cancer drugs 34, 46, 48, 52
- cancer genes, patents on 140
- Caribbean 18
- Cartagena Protocol 59

- Chaiya Sasomsab 48
- chemical sector/companies 16, 184, 188, 194, 195, 200, 201
- Chennells, R. 80, 86
- China 58, 59, 61
- CH (Computer Implemented Inventions) *see* Software Patents Directive
- Clinton, Bill 42, 47–8, 51
- cloning 144
- Coflexip v Stolt Comex* (2004) 230–31
- Cohen, J.I. 59, 61
- Cohen, W.M. 184, 185–6
- Cole, J.H. 185
- compulsory licences 21
 - Thailand 29–31, 37, 48–9
 - Oct 2001: universal health cover 37–8
 - Jan 2006: mobilization 39–41
 - historical decision 41–3
 - Sept 2006: military coup 44
 - chain reaction 44–7
 - May 2007: diplomatic mission 47–8
 - players 32–7
 - use of 30, 50
- computers/software sector 194, 200
 - see also* software *under* patents
- constitutional rights
 - medicines, access to 20, 21, 22, 25
- Convention on Biological Diversity (CBD) 86, 87–8, 94
- Cook, T. 80
- copyright: digital movie industry *see under* Germany
- Cornelli, F. 226
- Cornish, W. 231
- Correa, C.M. 1, 2, 29
- cost–benefit analysis 221
- cotton, Bt *see under* India
- counterfeiting 110
 - seeds 56, 57, 58, 59, 62, 65, 66, 74
- Cronin, D. 35
- Cystic Fibrosis Association, Danish 141

- David, P.A. 3, 84, 212
- Davies, L. 222
- Delta and Pine Land 60
- Denmark 147

- Denzau, A. 214
- Deuel, In re* (1995) 232
- developed countries 49, 87, 222
- asymmetrical power relationships 30, 48
 - IP, innovation and costs 24
 - see also individual countries*
- developing countries 87, 90
- asymmetrical power relationships 30
 - foreign knowledge and technology 14
 - 'grow into' IP regimes 23–5
 - pharmaceutical patents 31
 - Doha Declaration 30
 - TRIPS Agreement 19–20
 - research, transgenic crop 59
 - TRIPS agreement 19–20, 107–8
 - see also individual countries*
- Diagnostic Methods* (2006) 225–6
- Diamond v Chakrabarty* (1980, US) 67, 132
- DNA sequences and patents 135–6, 140, 142, 143–4, 146, 147–51, 152
- incremental change 228
 - non-obviousness doctrine 232
- Doberstyn, E.B. 42
- Doern, G.B. 217
- Doha Declaration 29–30, 34, 46, 47, 48
- Drahos, P. 1, 2, 5, 16, 40, 107, 182, 200, 205, 218, 229
- Dryzek, J. 130, 138
- Du Pont 200
- Ducor, P. 232
- Dutfield, G. 80, 89, 135
- Ebay 168
- economics/economists 153, 154, 184, 215, 227, 229–30
- Edwards, C.D. 187
- EICTA (European Information & Communications Technology Industry Association) 114, 116, 121, 126
- EISA/Second Medical Use* (1985) 223–4
- Eisenberg, R. 223, 228
- electronics/electrics industries 194, 195, 200
- embryos
 - Biopatent Directive 143, 144, 145
 - human embryonic stem cells 145–7
- Emmott, S. 131, 138
- Enforcement Directive, IP 109–11
- conclusion 123–4, 125–6
 - methodology: political claims analysis 111–12
 - results 112–13
 - actors and actions 114–16, 118
 - framing 118–20
- Ericsson 195
- ETNO (European Telecommunications Network Operators Association) 116–17, 118, 120
- Etro, F. 80
- Europe 16
- patents 67, 195, 211, 216, 222
 - EPC *see* European Patent Convention
 - EPO *see* European Patent Office
- European AIDS Treatment Group (EATG) 47
- European Alliance of Genetic Support Groups (EAGS) 140–41
- European Central Bank v DSS* (2008) 216
- European Court of Justice (ECJ) 146, 147, 221
- European Digital Rights Initiative (EDRI) 118
- European Patent Convention (EPC) 110, 132–3, 135, 136, 147, 218
- diagnostic methods 225–6
 - medical treatment, methods of 223–4
 - specific, substantial and credible standard (SSCS) 217
- European Patent Litigation Agreement 221
- European Patent Office (EPO) 132, 136, 146–7, 151, 154, 218
- breast cancer genes 140
 - increasing returns 222–4, 225–6
 - incrementalism 228–9
 - inter-institutional linkages 217–19, 220, 221–2
 - quasi-judicial authority 215, 220
 - national courts 218
 - oncomouse 135, 220

- stem cells
 - human embryonic 145–6
 - process for identifying 145
- European Union 57, 166, 173, 218–19, 221, 233
- framing processes
 - biopatents *see* Biopatent Directive
 - IP enforcement *see* Enforcement Directive, IP
 - software *see* Software Patents Directive
- European Court of Justice (ECJ) 146, 147, 221
- Thailand 33, 34, 35, 45
- exporters: patents and Latin America 17
- Farrell, J. 230
- FFII (Foundation for a Free Information Infrastructure) 111, 116, 118, 123, 126
- films *see* digital movie industry *under* Germany
- finance ministries: patents and Latin America 17
- Finland 147
- Fischer, F. 130
- flea-markets 168
- FMC 200
- food industry 16
- foreign investors: patents and Latin America 16–17
- Fourtou, Janelly 117–18, 126
- framing processes 6, 40, 51, 56
 - conclusion 123–6
 - conflicts about EU directives 109–11
 - biopatents *see* Biopatent Directive
 - definition of frame 111
 - GMO frame 58
 - introduction 107–9
 - methodology: political claims analysis 111–12
 - patent offices 215
 - patent system: incrementalism 229
 - results 112–14
 - actors and actions 114–18
 - framing 118–23
- France 33, 35, 46–7, 48
 - Biopatent Directive 147, 150–51
 - patents 187
 - ownership of US and Australian 189, 190, 191, 195
 - political claims analysis 111, 112, 116, 117, 118
- free trade agreements (FTAs)
 - Thai–United States 30, 32, 35, 39–41, 50
- G8 summit (2007) 107, 108
- Gaisford, J.D. 81, 84, 87, 90
- Gamson, W.A. 108
- Gans, J.S. 226
- gene sequences *see* DNA sequences
- gene use restriction technology (GURT) 60, 75
- General Electric 200, 201
- General Motors 201
- genetically engineered (GE)
 - animals 228
 - oncomouse 135, 220
 - political framing of GMOs 56, 57, 58, 75
 - seeds *see* seeds, illicit
- Gerhards, J. 109
- Germany
 - digital movie industry 158–9
 - conclusion 174–7
 - hegemonic struggles: acceptance of IP law 167–70
 - materialist state theories 159–61
 - movie market 161–3, 178
 - movie production costs 178
 - non-licensed copying and re-regulation of IP law 163–7
 - public film funding law 158, 159, 162–3, 173–4, 175
 - relations of movie production and re-regulation of IP law 170–72
 - patents 193, 221
 - Biopatent Directive 145, 147, 148, 150–51
 - ownership of US and Australian 189, 190, 191, 195
 - winners, patent system 187
 - political claims analysis 111, 112, 116, 117, 118
- Geron 146

- Gillespie-White, L. 91
 globalization and knowledge
 paradigms 81–5
 GMOs, political framing of 56, 57,
 58, 75
 Godt, C. 154, 155
 Gold, A.G. 60
 Gorlin, J. 108
 Gottweis, H. 141
 Gramsci, A. 158, 161, 167
 grasses 75
 Greaves, T. 88, 89
 Greece 147
 Greenpeace 138, 145
 Greenwood, J. 108
 Griffiths, W. 188
 Griliches, Z. 187
 Guellec, D. 153
 Guennif, S. 42
 Gupta, A.K. 59
- Haas, P.M. 221
 Habermas, J. 130
 Hall, B.H. 205, 228
 Hall, P.A. 213
 Hamilton, C. 82
 Harhoff, D. 188
 Hathaway, O. 229
 Haunss, S. 5, 112, 118, 125
 health: access to medicines 13, 20–21,
 22, 25, 185
 compulsory licences *see* compulsory
 licences
 Hein, W. 1, 109
 Heinrich, S. 160
 Heller, M.A. 148
 Helpman, E. 3, 80
 Henry, M.D. 220
 Herring, R.J. 57, 58, 59, 60, 61, 63, 64,
 65, 75
 Hettinger, E.C. 3
 Hewlett-Packard 201
 Hilgartner, S. 60
 Hitchcock, J. 221
 HIV/AIDS 109
 compulsory licences
 Brazil 50
 Thailand *see* Thailand: patents
 and public health
 treatments 38, 41–2, 51
- Hoechst 195
 Hoodia plant 92, 98
 Hope, J. 80
 Hopkins, M. 146
 Horrocks, S.M. 82, 88
 human embryonic stem cells (hESCs)
 145–7
 human rights
 medicines, access to 20, 21, 22
 patent law 142–3, 152
- IBM 193, 200, 201
 IFPI (International Federation of the
 Phonographic Industry) 118, 120
 IFPMA (International Federation of
 Pharmaceutical Manufacturers
 and Associations) 29, 33
 illicit seeds *see* seeds, illicit
 import tariffs: Thai exports to US 51
 increasing returns, dynamics of 5–6
 patents *see under* patents
 India 35, 48, 84
 Kani tribe 81, 87, 92–3, 101–2
 benefit sharing agreement 93–100
 identifying the Kanis 96–100, 101
 key questions 85–6
 lessons learnt 100
 patents 90
 based on indigenous knowledge
 83, 92, 93, 96, 98
 research in biotechnology 59, 61
 transgenic crops 61
 Bt cotton 56, 58, 59, 61–6, 68–73,
 74, 75
 IP rights: plant varieties and seeds
 67–8
 mustard 69
 indigenous people 80–81, 101–2
 definitions 91–2
 globalization and knowledge
 paradigms 81–5
 Kani tribe 81, 87, 92–3, 101–2
 benefit sharing agreement
 93–100
 identifying the Kanis 96–100,
 101
 key questions 85–6
 lessons learnt 100
 nation state and IPRs 86–91, 101
 San tribe 92, 98, 101

- industry in Thailand, local 36–7
 information technology sector 195
 Intel 201
 ‘intellectual property’, use of term 50
 Internet
 Act Up–Paris 46
 Blackberry email service 231
 movie industry 164, 165, 166, 167,
 169, 170, 174, 175
 transgenic seeds 74
 Internet service providers 166
 IPRED *see* Enforcement Directive, IP
 Ireland 147
 Israel 189–90
 Italy 145, 146, 147, 151, 163

 Jaffe, A.B. 183
 Japan 16, 57, 131
 patents 193
 ownership of US and Australian
 189, 190, 191, 194, 195, 201
 patent office 218, 222
 Jarothe, S. 163
 Jayaraman, K.S. 59, 64
 Jensen, A.K. 85
 Jessop, B. 158, 160–61, 175
 Johnson & Johnson 201, 207
 Joshi, Sharad 63, 70

 Kahin, B. 186
 Kansa, E.C. 82, 84, 85, 86, 88, 89
 Kapczynski, A. 14, 20
 Karani, P. 80
 Kazmin, A. 29
 Kimberly-Clark 195
 King, S.R. 91
 Klingensmith, D. 89
 Klug, H. 1
 Knowledge Ecology International
 (KEI) (formerly CPTEch) 36
 Koesch, S. 168
 Koopmans, R. 111, 112
 Korea 193, 195, 201
 Krasser, R. 150
 Krefft, A.R. 133, 140
 Krempl, S. 168
 Krikorian, G.P. 39
 Kuanpoth, J. 30
 Kumar, N. 14
 Kuttimathen Kani 81, 93, 94

 Laird, S. 83
 Lalitha, N. 67
 Lambertson, D.M. 191
 Landes, W.M. 183, 205, 215, 220, 227
 Lanjouw, J.O. 229
 Latin America
 patents 13–15, 25–6
 strengthening interests 16–19
 weakening interests 19–25
 lawyers
 movie industry, German 166–7,
 168
 patents 131, 153, 186, 205
 Latin America 17–18
 Software Patents Directive 114,
 115–16
 Le Buanec, B. 67
 Leith, P. 215, 223
 Lemley, M. 3, 226
 Lerner, J. 205
 Levin, R.C. 184
 light-manufacturing sector 17
 Limpananont, J. 42
 Lipton, M. 60
 litigation, skewed nature of patent
 229–32
 Long, C. 227
 Loypacher, L.J. 82
Lungren, Ex parte (2005) 224
 Luxembourg 147, 151
 Lybbert, T.J. 61

 Macdonald, S. 184, 185
 Mahyco Monsanto Biotech Ltd
 (MMBL) 62, 63, 64–5, 68–73, 75
 maize, transgenic 58
 Maltby, R. 162
 Mandelson, Peter 33, 34, 35
 Mansfield, E. 16, 184
 market access 17
 Martinez-Alier, J. 82
 Marwell, G. 221
 Marx, K. 159, 160, 170
 Maskus, K.E. 1, 2, 81, 87
 Matthews, D. 2, 5, 16
 May, C. 1, 2, 14, 176
 Mayntz, R. 130, 151
 Mazzoleni, R. 184
 Médecins Sans Frontières (MSF) 35,
 36

- Meier, H.E. 108
 'mental maps' 125, 214, 225
 Merck 38, 46
 Merck Sharp & Dohme Ltd 200
 Merges, R.P. 3, 226
Merrell Dow Pharmaceuticals v HN Norton (1996) 218
 Mexico 58
 patents 13–15, 25–6
 strengthening interests 16–19
 weakening interests 19, 20–25
 Mgbeoji, I. 92
 Micron Technologies 201
 Microsoft 119, 126
 military coup in Thailand 32, 44
 Miller, H.I. 58, 59
 Mohai, K.H. 80
 Moir, H.V.J. 185, 191, 195, 200
 Mongkol Na Songkhla 29, 43, 44, 47
 Monsanto 57, 58, 59, 60, 61–2, 201
 Moon, G. 80, 98
 Morera, E. 161
 Morocco 50
 Morse 69
 most-favored nation (MFN) access 17
 movie industry, digital *see under* Germany
 Müller, Florian 116
 multinational companies *see* transnational corporations
 Murray, F. 58
 Murugkar, M. 72
 mustard, GM 69
 Musu, I. 87, 90
 Myriad Genetics 140

 Nack, R. 133
 Naím, M. 61, 74
 Nelson, R.R. 184
 Netherlands 145, 146, 147
 Newell, P. 82
 Niebler, Angelika 117–18
 Nit Phibunsongkhram 39
 Nokia 116, 195
 non-governmental organizations (NGOs) 20, 118, 138
 indigenous people 84, 85, 98, 101–2
 Thailand 35–6, 39–40, 42
 transgenic crops 57, 59, 74

 Nortel Networks 195
 North, D.C. 213
 Norway 146
 Novartis 34
NTP, Inc v Research in Motion (2005) 231
 Nuss, S. 160

 Offe, C. 160
 Olson, M. 182
 oncomouse, Harvard 135, 220
 organic farmers 60
 Oxfam 36

 Paarlberg, R.L. 57, 74
 Pakes, A. 187, 188
 Pakistan 61
 Paramount 163
 Parthasarathy, S. 140
 Patel, Piyush 64
 patents
 biopatents 222
 animal varieties 211, 228
 Directive *see* Biopatent Directive
 oncomouse 135, 220
 plants 67, 82–4, 87
 plants: indigenous knowledge of India 83, 92, 93, 96, 98
 empirical analysis: patent ownership introduction 182–5
 losers, patent system 185–7
 priorities for further research 204–6
 US and Australia 189–92
 US and Australia: corporate patenting 190–91, 192–204
 winners, patent system 187–9
 increasing returns 211–13
 conclusion 232–3
 doctrinal incoherence 216–17
 incrementalism and uncertainty 227–9
 inter-institutional linkages 217–22
 litigation, skewed nature of 229–32
 patent offices, role of 222–7
 sources and features 213–17
 sub-optimal outcomes 215–17
 timing, value of 214–15
 India 83, 90, 92, 93, 96, 98

- Latin America 13–15, 25–6
 - strengthening interests 16–19
 - weakening interests 19–25
- software 6, 110, 186, 211, 219, 229
 - Directive *see* Software Patents Directive
 - specific, substantial and credible standard (SSCS) 217
 - see also* Enforcement Directive, IP path dependence 212, 214, 215, 227, 233
- patients groups 20, 141
- Pawar, Sharad 63
- Penrose, E.T. 191
- Pfizer 38, 80, 200
- pharmaceutical patents 16, 184, 188
 - compulsory licences *see* compulsory licences
 - empirical analysis: Australian and US patent ownership 194, 195, 201
 - framing processes 109
 - India 90
 - Latin America 13, 15, 19–21, 22, 25
 - traditional knowledge 82, 89, 98
 - winners and losers, patent system 185, 188
 - see also* Biopatent Directive
- Philippines 38
- PhRMA (Pharmaceutical Research and Manufacturers of America) 33, 42, 47
- Pierson, P. 212, 213–14, 215, 225, 229, 232
- Pila, J. 229
- plants
 - IP protection for plant varieties 67–8
 - traditional knowledge *see* traditional knowledge
 - see also* seeds, illicit
- Poland: political claims analysis 111–12, 116, 117
- political claims analysis *see* framing processes
- Portugal 147
- Potrykus, I. 57
- Poulantzas, N. 158, 160
- Pray, C. 70
- prosumers 4
- public goods 215, 230
- Pugatch, M. 1
- Pushpangadan, P. 81, 92
- Ragavan, S. 84
- Rai, A.K. 146
- Ramachandran, R. 42
- Ramanjaneyula, G.V. 60
- Ramanna, A. 67
- Ramaswami, D. 71
- Reber, N. 177
- regional and bilateral trade agreements (RBTAs) 2, 17
- Rein, M. 130
- Remiche, B. 29
- Renesse, M. von 150
- reverse-engineering 14
- Rhodia 207
- rice 75
- Richardson, J. 108
- Rocard, Michel 116
- Roche 46
- Rockwell International 200
- Rojas, M.C. 86
- Roy, D. 59, 69
- Ryan, M.P. 2, 5, 182
- Saengsuee Joota 34
- Samak Sundaravej 48
- San tribe 92, 98, 101
- Sanguan Nittayarumpong 43
- Sarnsamak, P. 34
- Sarup, M. 82
- Sayer, A. 160
- Schankerman, M. 187
- Scherer, F.M. 182, 184, 201, 205
- Schmeiser, Percy 57
- Schneider, I. 132, 133, 144, 146, 147, 150, 151, 154, 155
- Schön, D. 131
- Schröder, C. 162
- Schweiger, T. 141
- scientific community 18, 21–3, 47
- Scotchmer, S. 3, 226
- seeds, illicit 56
 - conclusions 73–5
 - counterfeit seeds 58, 59, 62, 65, 66, 74
 - stealth seeds distinguished from 56, 57

- development: bio-safety and bio-property 60–62
introduction and overview 57–60
IP: farmers' rights and breeders' rights 66–8
transgenic cotton in India 56, 58, 59, 61–6, 74, 75
 IP: farmers' rights and breeders' rights 67–8
 stealth seeds, impact of 68–73
- Segrave, K. 176
- Sell, S.K. 1, 2, 5, 16, 30, 40, 107, 108, 182, 205
- Shadlen, K.C. 1, 2, 17, 21
- Shah, E. 71
- Shaji, K.A. 96, 98
- Sherman, B. 212
- Shiva, V. 61, 82, 84, 85, 89, 91
- Silverbrook Research 200
- Simeone, T. 84
- Sirilak Suteekul 34
- small and medium-sized enterprises (SMEs): framing processes
 Biopatent Directive 134
 Software Patents Directive 110, 114, 118, 121–2, 123, 124–5, 126
- Smith, S.E. 90
- SmithKline Beecham 141
- Snow, D.A. 40, 108, 109, 111, 122
- social movements 35, 50, 59
 framing processes 108, 109
- Software Patents Directive 109–11, 132
 conclusion 123, 124–6
 methodology: political claims analysis 111–12
 results 112, 113
 actors and actions 114, 116–18
 framing 118–19, 121–3
- somatic cell nuclear transfer (SCNT) 144
- South Africa: San tribe 92, 98, 101
- soy, transgenic 58
- Spain 147, 163
- Srinivasan, C.S. 68
- stem cells, human embryonic (hESCs) 145–7
- Stone, G.D. 59, 65
- Subramanian, A. 29
- Sumitomo Chemicals 195
- Svarstad, H. 60
- Switzerland 33, 195, 223
- Tanksley, S.D. 60
- technology transfer 100, 134
- Telecom Italia 116
- telecommunications sector 110, 195
 ETNO (European Telecommunications Network Operators Association) 116–17, 118, 120
- terminator technology 60, 61, 75
- Thailand: illicit seeds 58, 61
- Thailand: patents and public health 29–31, 48–9
 analyzing chosen events 37
 Oct 2001: universal health cover 37–8
 Jan 2006: mobilization 39–41
 historical decision 41–3
 Sept 2006: military coup 44
 chain reaction 44–7
 May 2007: diplomatic mission 47–8
 players 32–7
- Thaksin Shinawatra 32, 37, 40, 44
- Thambisetty, S. 3, 215, 217, 218, 220, 224, 227, 229, 233
- Thiermeyer, M. 162
- Thomson, James 145
- Toffler, A. 4
- Tollison, R.D. 182, 186
- trade associations 16–17, 22, 33
 see also individual associations
- traditional knowledge 35, 80–81
 bio-piracy 91–2
 conclusion 101–2
 definitions 91–2
 globalization and knowledge paradigms 81–5
- Kanis: benefit sharing agreement 93–6, 101
 identifying the Kanis 96–100
 lessons learnt 100
- key questions 85–6
 nation state and IPRs 86–91, 101
 nature of 88
- transgenic seeds/crops *see* seeds, illicit
- transnational corporations (TNCs) 16, 222

- Biopatent Directive 134
- movie industry 161–2, 163, 164, 175–6
- seeds 58, 61
- Thailand and compulsory licences 29, 33–5
- TRIPS agreement 107–8
- see also individual corporations*
- Treerutkuarkul, A. 34
- Trilateral Offices 217, 218, 221–2
- TRIPS Agreement 2, 13, 17, 49, 224
 - compliance dates 19, 201
 - Doha Declaration 29–30, 34, 46, 47, 48
 - Germany 165
 - movie-related aspects 177
 - plant varieties 67
 - political process leading to 5, 16, 49, 107–8, 182, 183, 200–201, 207
 - traditional knowledge 87, 90
- tumeric 90–91
- Turkey 76
- Turner, J.L. 220

- Ullrich, H. 153
- UNDP 101
- Unilever 207
- United International Pictures 163
- United Kingdom 48, 147
 - patents 187, 211, 218, 219, 220–21, 223
 - computer programs 229
 - litigation 230–31, 233
 - ownership of US and Australian 189, 190, 191, 195
 - patent office (UKIPO) 219, 220–21, 222, 226–7
 - political claims analysis 111, 112, 116, 117, 118
- United Nations Development Programme 101
- United States 16, 40, 90, 108
 - Chambers of Commerce (AmChams) 16–17, 33, 46
 - movie industry 161–2, 163, 164, 173, 177, 178
 - patents 67, 90–91, 133, 140, 153, 193, 228
 - Biopatent Directive 134
 - Court of Appeals for the Federal Circuit (CAFC) 215, 219–20
 - human embryonic stem cells 145, 146
 - increasing returns: inter-institutional linkages 217–18, 219–20, 221–2
 - indigenous knowledge of India 83
 - litigation 231–2, 233
 - losers, patent system 185, 186
 - National Institutes of Health (NIH) 217–18, 233
 - ownership: empirical analysis 183, 189–93, 194–204, 205
 - patent office (USPTO) 222, 224–5, 226, 231, 232
 - ‘technological arts’ test 224
 - seeds 58, 60, 67, 76
 - Sony Bono Copyright Extension Act 1998 227
 - Thailand and compulsory licences 29, 33–4, 42, 45, 46, 50, 51–2
 - free trade agreement 30, 32, 35, 39–41
 - May 2007: diplomatic mission 47–8
 - Trade Representative (USTR) 33, 40, 41, 42, 45, 46, 47, 48, 52
 - UPOV (International Union for the Protection of New Varieties of Plants) convention 67
 - USA for Innovation 45, 46, 52
 - Van den Belt, H. 140
 - Van Overwalle, G. 144
 - Varma, A. 232
 - Velásquez, G. 29
 - Vichai Chokevivat 31
 - Vietnam 58, 61
 - Vrtovec, K.T. 146
 - Wagner, P.R. 219
 - Wagner, S. 205
 - Wall Street Journal* 45
 - Warner Bros 163
 - Warner Communications 207
 - Warshofsky, F. 201

- Wasko, J. 162
Watal, J. 2
Watson, D.S. 193
Watson, James 140
World Health Organization (WHO)
38, 42, 51
World Intellectual Property
Organization (WIPO) 193, 218,
222, 224
copyright 108, 165, 166
indigenous people 85, 101
World Trade Organization (WTO) 13,
17, 31, 205
see also TRIPS Agreement
Zilberman, D. 60
Ziltener, P. 173
Zylla, G. 168

