Index

agricultural sector 20, 241, 243–4, 270
marketing in 248
price competitiveness of 254–6 260–61
private traders in 246
producer NPC 257, 260
proportions of irrigated land to total arable land 263
surplus labor force in 244, 261, 266
technological development in 261, 263, 265, 269
cross-breeding programs 261
farm mechanization 263
air conditioning (AC) 74, 85, 94, 96
fixed-speed 78, 83, 94
coefficient of performance (COP) 84
Standards and Labelling system (2008) 83–4
growth of industry 77–8
heat pump 94
impact of energy-saving regulations 82–3
labelling 83–4
inverter 76, 82–5, 94–6
annual performance factor (APF)/seasonal energy efficient ratio (SEER) 84
modularization in 94–6
penetration ratio of 84
Standards and Labelling system (2010) 84, 95
use of rotary compressors in 95
Alibaba 22, 34, 158
Amazon.com, Inc. 34
Amoi Technology Co., Ltd. 89
Angola 159
Apple, Inc.
product lines of 101, 118
turnkey suppliers for 54

Ariston
joint venture activity of 227–8
technology sourced from 227
Australia 141
coil pricing in 317
Austria 59
automobile manufacturing 2, 6, 14–15, 18, 37, 52, 54, 59, 61–5, 70, 181–2, 189–92, 194–5, 198, 200, 204, 209
distribution channels of 158
electric bicycles 67, 70
electric vehicle (EV) 113
fixed/variable costs in 33
foreign-invested 63
industrial growth 15
lack of management integrity in Chinese automotive groups 61
parts suppliers 53, 56, 64–5
small manufacturers 61–3
Automobili Lamborghini 61
AVL 59
joint venture activity of 65

Baird, John Logie
projection of images onto wired TV screen (1925) 78
Bangladesh 1
Beiqi Futian Automobile 57
BMW AG 62
investment activity of 65
Braum, Karl Ferdinand
invention of CRT (1897) 78
Brilliance Jinbei Automobile 57
Buick
joint venture activity of 197
market share of 195
BYD 2, 201, 209
market share of 195, 200–201, 203
Cameron 159  
capital 14, 20, 298  
foreign 7, 15, 18, 280  
investments 316, 320–21  
private 7, 18  
stock 291  
upper stream 168  
Carrefour 160  
Changan 197  
market share of 195  
Changshu China Apparel City 157, 161, 163  
Chery Automobile Co., Ltd. 57, 64, 201, 209  
facilities of 65–6  
intellectual property right  
infringement dispute with General Motors (2003) 66  
joint venture activity of 65–6  
market share of 195, 201  
AC (air conditioner) market of 95–6  
accession to WTO (2002) 15, 222, 257  
Act for Tendering Wind Farm Concession (2003) 132  
arable land of 263  
as net energy exporter 308  
amobile industry/market of 52, 56–8, 61–5, 190–92, 194–5, 204, 208–9  
market share regional variations 195, 197–8, 200–201, 203, 207  
average consumption level of rural population 183  
Beijing 150, 252  
Bureau of Grain Storage 250  
Bureau of Labor 278  
cell phone industry/market of 103–4, 122  
Changjian Delta  
labor shortage in 300  
Changqing 197  
consumer electronics industry of 77–8  
domestic distribution system of 150–52  
domestic market of 179–80, 208  
multiplicity of 180, 186, 188–9  
vertical heterogeneity in 181  
Dongguan 194  
economy of 1–2, 13–15, 52, 226, 308–9, 311, 330–31  
electric bicycle industry of 67  
Eleventh Five-Year-Plan (2006–10) 307–8, 329  
establishment of (1949) 244  
EV industry of 113  
First Five-Year-Plan (1953–7)  
introduction of foreign technology during 215  
food rationing in 284  
Foshan 194  
Fujian Province  
labor shortage in 300  
Xiamen 221  
GDP per capita 10, 187, 241  
grain yields of 261  
Guangdong Province 181–2, 191–2, 195, 201, 203, 207–8, 268, 329  
Chaozhou Prefecture  
Chaoanxian 198  
Guangzhou 107, 159–60, 194, 269  
labor shortage in 300  
Meizhou Prefecture  
Mei-xian 198  
Shenzhen 19, 85, 101, 105, 107, 118–19, 159–60, 194, 221, 269  
monthly minimum wage in 269  
Statistical Bureau 300  
Huizhou 101  
Hunan Province  
Anjing 261  
Labor Contract Law (2008) 300  
Liaoning Province  
Dalian 221  
Long Term Development Plan on Renewable Energy (2007) 131
manufacturing sector of 152–3, 222, 241
market distribution in 186
marketplace systems in 156
Ministry of Commerce (Ministry of Foreign Trade) 221
Ministry of Labor and Social Welfare 300
Ministry of Public Security 285
Ministry of Science and Technology 222
monthly average wage in 297
National Bureau of Statistics 222, 268
National Development and Reform Commission (State Planning Commission) 317
Notice on Relevant Requirements on the Construction of Wind Power (2005) 132–3
Ordinance on Management of Energy Saving Label (2005) 83
Pearl River Delta 101
planned economy era 6, 20, 26, 102, 156, 214, 219, 221–2, 307
absence of rural migrant workers from urban firms 284
cost of labor during 275, 278
market development during 156
energy policies during 311–12, 316
resource allocation in 15
technology introduced during 26
population of 10, 297
Regulations on Administration of Technology-introduction Contracts (1985) 221
Regulations on Technology Import and Export Administration (2002) 222, 226
reform period 221, 243
Engel coefficients during 242
labor cost during 275–6, 278
Feed in Tariff (FIT) 131–2, 142–3
Seventh Five-Year Plan (1986) 81
Shandong Province 181–2, 195, 198, 200, 203, 207
average income in 191
Chengdu 195, 286
Ji’nan City 187
population density of 194–5
Qingdao 221
Shanghai 105, 181, 191, 195, 197, 252, 286
Shantou 194
Sichuan Province 150, 181, 191, 195, 197–8, 203, 207
State Council 251–2, 279
‘Opinions on further deepening the reform of the grain marketing system’ 252–3
Tianjin 143
TV market of 82, 84, 88–9
Twelfth Five-Year-Plan (2011–15) 308
Unified Purchase and Unified Supply policy 244–5
urban population of 186–7
average consumption level of 182–3
Wenzhou 169
wind power industry of 128, 131–3, 135
wind turbine industry 131–2, 136, 138, 143
vertical disintegration in 135–6
Wuhu City 65–6
Zhejiang Province 157, 252, 286
labor shortage in 300
Zhuhai Delta
labor shortage in 300
China Automotive Industry Yearbook 59
China Automotive Technology and Research Center (CATARC) 59, 65
China Mobile 103
China Unicom 103
Chinese Communist Party (CCP) Central Committee of 246, 279
relationship with labor unions 286
Chunlan
  joint venture activity of 229
Chrysler Group LLC
  investment activity of 65
clusters 107, 119, 163, 166, 295
  apparel 156, 161, 166, 168
  cell phone 161
  industrial 149, 156, 158, 163–4, 170
Coase, Ronald
  concept of ‘transaction cost’ 29
Cobb–Douglas production function
  290
Cold War 227
Commonwealth of Independent States (CIS) 108
consumer electronics 14–15, 52–3, 70, 77–8, 81
  cell phones 57–8
  use of ICs in 36
  industrial growth 15
  personal computers 56–7
Consumer Price Index 290
Cournot competition model 11
Cultural Revolution (1966–76) 242
  destruction of social insurance systems during 281
  Engel’s coefficient during 242
  permanent employment during 279
Daikin
  transfer of inverter technology to Gree Electric Appliances Inc. 95
Danyang Eyewear Market 157–8
Democratic Republic of Congo 159
Denmark 129, 133, 139, 141
  introduction of wind power to 127
  installed capacity of 129
Dfstw
  market share of 130, 136, 138
DHIDCW
  exclusive supply to Sinovel 135
  direct network effect
    causes of 117
    concept of 113
Ebay 34, 158
Economist, The 2
  electronic manufacturing service (EMS) 101
  outsourcing of parts to 105
emerging markets 101–2, 107–8,
  119–20, 138, 159, 162, 166–7, 170–72
  demand information 121
  exploration of 149, 160–61, 171
  income gap in 160
  low-income consumers in 122
  potential demand in 149
Enercon
  market share of 136
energy 14, 307, 309, 318–19
  coal 309–10, 312–14, 316–17
    demand for 309–10
    domestic supply of 313
    mines 310, 314–15, 319–23
    capital investments in 316, 320–21
    order meeting 322–3
    pricing 308, 315, 318–19, 321–4, 326, 328
    allocation system 315, 319, 322
    government intervention in 316–18, 321–3, 330–31
    surcharges 324–6
    use in power plants 318, 322–4, 326, 328
  consumption 307–12
    elasticity of 310–11
    reduction of 307
  dependence on foreign supplies of 309, 312–13
  natural gas 328, 331
    liquid (LNG) 328
  nuclear 329
  oil
    crude 312–13
    photovoltaic (PV) 68–70
    generators 18, 52
    industry 68–9
    depression of 69–70
    role of manufacturers in 68, 70
    value chain of 68–9
    production of 312–17
Engineering, Procurement, and Construction Contractors (EPCCs)
  examples of 68–9
  use of PV components 68
  entry costs 40, 92
  of R&D 98
reduction of 38
as potential cause of vigorous entry 38
impact of platform use on 34–7 modularization for 92
Ericsson 104
European Union (EU) 18, 90, 115, 230
Eurozone Crisis (2009–) 300
excess entry concept of 7

Farm Production Cost and Profit Survey 270
FAW-Daewoo parts supplied by 65
FAW Group Corporation 65
joint venture activity of 65
Federal Republic of Germany (West Germany) 216
Finland 141
firm costs 22
fixed cost 35, 135, 275
concept of 32–3 examples of 33
labor as 278, 287–8
marketing 113
R&D 113, 168
reduction of 34, 37, 40, 120
use of transaction platforms in 34, 120
food prices 40
Ford Motor Company 62, 65
foreign direct investment (FDI) 5, 26
inflows of 218–19
Foxconn 101
France
use of FIT in 142
Fuji General
launch of Plasma Display Panel (PDP) (1997) 81

Galanz Enterprise Group 85
supplying of inverter compressors 96
Gamesa 133, 140
market share of 129, 136
Gdupc expansion of 138–9
Geely 209
market share of 200
merger with Volvo 1–2

General Electric (GE) 145
market share of 129, 136
General Motors
intellectual property right infringement dispute with Chery Automobile Co., Ltd. (2003) 66
Genesis Microchip 89
German Democratic Republic (East Germany) 215
Germany 69, 131, 227
introduction of wind power to 127
installed capacity of 129
use of FIT in 131, 142
Ghana 159
Gini coefficient 186, 204, 207
Global Financial Crisis (2007–09) 300
globalization 12, 68, 101
GM Daewoo
joint venture activity of 65
Goldwind 129
acquisition of Vensys 141
expansion of 138–9
gross profit of 144
market share of 129–30, 136, 138
unit investment of 143
grain industry 14, 241, 251–2, 269–70
budget expenditure 248–9
domestic production of 257
excessive production 247
household expenditure on 244
intervention measures for 244, 246–7
baoliang fangjia 250
Governor Responsibility System 251
indirect 252–3
labor movement in 265–9
liberalization of 253
maize 260, 270
domestic exports of 257
international price of 257
single-cross 261
market reform 242
marketing 246, 269
national stockpile 250–53
price 241–2, 246, 250–51, 253, 257, 265–70
contract 250, 252
domestic 254, 257
negotiated 249–50
The disintegration of production

- purchasing 245
- rationing 245, 247
- subsidies 248, 253
- procurement grain 246
- procurement quota 248
- producer NPCs of 260
- production methods 254
- rice 260, 270
- hybrid indica 261
- pricing of 254
- soybeans 260
- domestic pricing of 254
- import quota for 257
- staple grains 248
- wheat 257, 260, 270
- yields 261, 263
- Great Leap Forward (1958–61) 242, 245, 309
- Engel's coefficient during 242
- Gree Electric Appliances Inc. 85, 96
  - Chinese AC (air conditioner) market share of 95
  - transfer of inverter technology from Daikin 95
- Guinea 159
- Haier Group 85, 91, 228–9
  - acquisition of SANYO refrigerator and washing machine division (2011) 233
  - technology introduced by 233
- Harbin DongAn Engine Manufacturing Co., Ltd. 59
  - parts supplied by 65
- Herfindahl–Hirschman index (HHI) 204, 207
- Hino Motors, Ltd. 62
- Hisense Co., Ltd. 91
  - acquisition of Xuehua 229
  - entry into refrigerator market 229, 231
  - market share of 229
  - technology introduced by 232–3
- Hisense Kelon 233
- Hitachi, Ltd. 81, 86
  - Shanghai Hitachi
  - contract with Galanz 96
- Hon Hai Precision Industry 54
- Honda Motor Co., Ltd. 62, 197
  - joint venture activity of 197
- Hong Kong Skyworth Digital Holdings Co., Ltd. (Skyworth) 91
- horizontal differentiation 168–9
  - concept of 166
  - use in specialized market systems 166–7
- Htblade
  - products sourced from 133
- Hualing
  - acquired by Midea Group 229
- Huawei Technology 120
  - offices of 101
- Hyundai Motor Company 62
  - Hyundai Pony 64
  - market share of 195, 200
  - use of parts and technical support from Mitsubishi Motors Corporation 64
- Imperial China
  - Ching Dynasty (1644–1912) 156
- India 2, 10, 31, 37, 129, 140, 181, 185–6, 294–5
  - educated labor in 297
  - market distribution in 186
  - monthly average wage in 297
  - population of 7
- shanzhai firms active in 101
- wind turbine industry of 139
- indirect network effect 119, 168, 171–2
  - impact on formation of specialized market system 164
- Indonesia
  - monthly average wage in 297
- Industrial and Commercial Bank of China 87
- industrial dynamics 30–31
- industrial organization theory 26–7
  - market entry 31–2
  - market exit 31–2
- industrialization 1, 5–6, 149, 160, 244
  - financing of 20
  - influence of introduction of foreign technology on 213, 215–16
- inflation 87
  - attempts to control 318
- informal economy
  - shanzhai industry as example of 122
- innovation 77, 94
  - architecture
Index

341

design 76
product 76, 95
competition-nexus 76
concept of 75–6
potential impact of vertical
disintegration on 76–7, 93
process 76
product 76, 78, 81–2, 92–6
98
Institute for Industrial Economies and
Technology 12
integrated circuits (ICs) 34
baseband 36, 58, 103–5, 114–15, 121
gSM-based 104, 115
design houses 89, 91
taiwanese 92–3
US 91
platform 92
radio frequency 58
suppliers 57–8
upstream design process 112
use in cell phones 89, 115
use in TVs 88–9
image processing IC (LCD TV
controller) 89–91
LCD driver IC 89
LCD monitor IC 89
Intel Corporation 91
chipset manufactured by 113
intermediate goods production 39
Iran
Tehran 163
Bazar-e Bozorg 163
Italdesign Giugiaro 59
Italy 61, 69, 216
JAC 209
market share of 201
Japan 1–2, 6, 10–11, 31, 37, 51, 78, 140,
146, 197, 227, 254, 294–5, 297
AC (air conditioner) market of 94
arable land of 263
automobile market of 195
average consumption level of rural
population 183
average consumption level of urban
population 182–3
Engel’s coefficient during 243
GDP per capita 10
government of 11
grain yields of 261

kanban system 54
TV market of 81, 86
LCD and PDP market share 81–2,
86
Japan Automobile Manufacturers
Association
World Motor Vehicle Statistics 61
JinkoSolar
PV cell production facilities of 69
Kelon 228–9
Konka Group 81, 91
Kuomintang
labor systems under 278
Kyocera Corporation 68
value chain of 69
labor 20, 275–6, 281, 287, 291, 293,
299
cost 33, 275–8, 299–300
as example of fixed cost 32, 278,
287–8
as example of variable cost 284,
287–8
during planned economy era
275–6, 278
during reform period 275–6, 278
flexibility of 276
distribution of 278
division of 102
educated 294–5, 297
entry of rural migrant workers
into urban labor market 277,
279–80, 284–5, 287–9, 295, 300
household registry system 284–6
flexibility of 276, 285–6
in SOEs 278–81, 287, 298–9
marginal productivity of 291, 293
market 20
reform 287, 290, 298
movement in grain industry 265–9
permanent 279
shortage of 20
social security system
development of 281, 284
targeting of rural migrant workers
285–6
surplus in agricultural sector 244,
261, 266
unemployment insurance 281

Downloaded from PubFactory at 09/16/2023 06:06:33PM
via free access
unions 286–7
relationship with CCP 286
urban system
fixed labor (Gudinggong) 278
LDK Solar Co., Ltd.
growth of 69
Lewis, Arthur
dual economic model of 242–3, 265–6, 268
LG Corporation 81, 104
joint venture activity of 229
market share of 101
Liebherr
technology sourced from 227
Lifan 209
market share of 201
Little Swan
technology introduced by 232
LM
products sourced from 133, 140, 146
low price phenomenon 14, 26, 40, 98
LZFRP
products sourced from 133
macroeconomics 180
Malawi 159
Malaysia 61
monthly average wage in 297
market economy 6, 38
market multiplicity 180
market stratification 180–81, 185, 189, 197, 200
lower market layer 181–2, 185–6, 189, 207, 209
regional 184–6
upper market layer 180–81, 187, 189, 207
vertical 191
MediaTek (MTK) 36, 58, 115–16, 118, 120–21
baseband IC 103–4, 110
GSM-based 104
customers of 91–2
personnel of 117
share in Chinese GSM-based baseband IC market 115
Meiling 228–9
joint venture activity of 227–8
production lines and technology introduced by 227
mergers and acquisitions (M&A) 139, 141, 229
technology acquired during 143
use of acquired brand names following 229
Mexico
monthly average wage in 297
microeconomics 4, 11, 38
perfect competitive market 38
Midea Group 85, 96, 226
acquisitions made by 229
joint venture activity of 95, 232
market share of 229
production of rotary compressors for AC 95
technical advice provided by Toshiba Corporation to 231–2
Mitsubishi Chemical 226
Mitsubishi Electric Corporation
value chain of 69
Mitsubishi Heavy Industry 140
Mitsubishi Motors Corporation 56
joint venture activity of 65
personnel of 57
provision of parts and technical support from 64
modularization 37
in flat panel TVs 94
in inverter AC 94–6
use in entry cost reduction 92
Motorola Corporation 104, 117
Mstar 89
annual reports of 92
customers of 91
Multibard
acquired by Suzlon 141
multinational companies 102, 139–40, 143, 160–61
Mywind
expansion of 138–9
unit investment of 143
Namibia 159
National BlueStar 226
National Development Bank 320
National Planning Committee
China Industrial Development Report 1997 12–13
Index

NEGMIcon
acquired by Vestas (2003) 141

NEOPLAN Bus GmbH 62
Nigeria 159
Nissan Motor Co., Ltd. 62, 197, 201
market share of 200–201, 203
Nokia Oyj 15, 104, 120, 122
   cell phones manufactured by 108
   market share of 101–2
   product lines of 118
North Huaqiang Market 107, 114,
   118–19, 121, 161
   submarkets of 159

ordinary least squares (OLS) 290
Organization for Economic
   Co-operation and Development
   (OECD) 294–5
estimation of producer nominal
   protection coefficients
   (producer NPC) 257, 260
Producer and Consumer Support
   Estimate Database 260
original design manufacturing (ODM)
specialized
   outsourcing of parts to 105

Panasonic Corporation 86, 233
   market share in Japan 81
   monopolization of PDP production
   89
   value chain of 69
perfect competition market theory 27,
   37–8
   microeconomic 38
Philippines
   monthly average wage in 297
Philips 91
   monopolization of PDP production
   89
Pininfarina 59
   platforms 113, 122
   concept of 34, 113
   impact on entry costs 34–7
   impact on product prices 35
   fixed 39
   technology 34, 113, 120
   in value chains 115
   transaction 34–5, 113–14, 120, 163,
   168
   concept of 114
   examples of 118–19
   purchasing and money platform
   (PMP) 119
   in value chains 115, 118–19
   specialized market systems as
   162–4
   use in shanzhai (guerrilla) cell phone
   industry 113, 120–21
price competition 6, 35, 44–5, 132, 164,
   166
   impact on price of PCBA 121
   promotion of 131
   relationship with vigorous entry 31
   price mechanisms 31
   printed circuit board (PCB) 104–5, 161
   + assembly (PCBA) 105, 107, 114,
   117–18, 120
   impact of price competition on
   price of 121
   project development 111–12
   shared 117
   hardware design 115
   hardware reference design 105
   product price
   impact of platform use on 35
   fixed 39
   property rights approach
   concept of 29
   purchasing power parity (PPP) 182,
   241
Q-Cells
   acquisition of REC 69
   bankruptcy of 70
   parts produced by 69
Qingdao Haier
   joint venture activity of 227–8
   production lines and technology
   introduced by 227
Rakuten Market 158
Realtek Semiconductor Corp. 89
   refrigerator manufacture industry
   214–15, 226–7, 229, 233
   energy-saving models 230
   impact of technology introduction
   on 214–15, 228
   market share in 228–30
   multi-function models 229–30, 234
<table>
<thead>
<tr>
<th>Production Lines Introduced in 227 Twin-Fan Models 232–3</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Renesus 89</td>
<td></td>
</tr>
<tr>
<td>Renewable Energy Corporation (REC) Acquired by Q-Cells 69</td>
<td></td>
</tr>
<tr>
<td>Renewable Portfolio Standard (RPS) 131–2, 142–3</td>
<td></td>
</tr>
<tr>
<td>Upgrading of 143</td>
<td></td>
</tr>
<tr>
<td>Repower Acquired by Suzlon 139</td>
<td></td>
</tr>
<tr>
<td>Ricardian Trap 266</td>
<td></td>
</tr>
<tr>
<td>Ricardo, David 59</td>
<td></td>
</tr>
<tr>
<td>Rolls-Royce Motor Cars 61</td>
<td></td>
</tr>
<tr>
<td>Rongji, Zhu Anti-Smuggling Campaign of (1996) 88</td>
<td></td>
</tr>
<tr>
<td>Royalstar Acquired by Midea Group 229</td>
<td></td>
</tr>
<tr>
<td>Samsung Group 15, 89, 91, 93, 104 Cell Phones Manufactured by 108 Market Share of 101</td>
<td></td>
</tr>
<tr>
<td>Sanding Group 168</td>
<td></td>
</tr>
<tr>
<td>SANYO Electric Co., Ltd. 226 Technology Sourced from 233 Transfer of Refrigerator and Washing Machine Division to Haier Group (2011) 233 Scattered Market Share 74, 84</td>
<td></td>
</tr>
<tr>
<td>SEAT, S.A. 65 Seedbed Effect 179, 182, 185–6, 203 Creation of 188–9</td>
<td></td>
</tr>
<tr>
<td>Semiconductors 36, 91 Chipsets 37 Design Houses 85</td>
<td></td>
</tr>
<tr>
<td>Shanghai Volkswagen 63</td>
<td></td>
</tr>
</tbody>
</table>
Index

wind power industry of installed capacity of 129
Special Economic Zones 280
technology introduction in 221
use of temporary employment system in 280
specialized market system 158–60, 168, 170–71
as transaction platforms 162–4
benefits for emerging markets 160–61
dynamic development of 162, 171
elements of 156
impact on Chinese manufacturing sector 164, 168
market entry 167–8, 171
use of horizontal differentiation 166–7
use of vertical differentiation 169
origins of 149–51, 156, 159, 162, 170
impact of indirect network effects on 164
Spreadtrum 105, 120
baseband IC vendor for shanzhai cell phones 108, 110
manufacture of GSM-baseband IC 104
state-owned enterprises (SOEs) 7, 13–14, 18, 33, 87–8, 140, 222, 227, 234, 275
decline of 13
entry into color TV market 87–8
‘iron rice bowl’ phenomenon 279
labor in 278–81, 287, 298–9
rural 279
Suntech Power Holdings Co., Ltd. 69
supply chain governance 51, 53
asset creation 53
black boxes 66–7
client/supplier relations 56
outsourcing 56–8
structures of 53–4
supportive value chain 18
surface mount technology (SMT) 107, 119
Suzlon 133
acquisitions made by 139, 141
establishment of (1995) 139
expansion of
impact of transportation costs on 139–40
facilities of 139
market share of 129
subsidiaries of 135
Switzerland 1
Taiwan 89, 105, 115
fabless design houses in 91
Takayanagi, Kenjiro
development of imaging disk and projection apparatus using CRT (1927) 78
Taobao 158
Taobao Net 159
Taobao Village 159
TCL/Alcatel
offices of 101
TCL Corporation 85, 91–2, 96
technology introduction 214–19, 221–2, 231–4
as cause of vigorous entry 213, 228
decision rights 221
economic impact of 217, 221
influence on dispersed market structure 234
influence on industrialization 213, 215–16
intra-firm 219
promotion of market entry 221–2
regulation of 221–2, 226
technology transfers 5, 95
television (TV) 19, 57, 74–5, 92
cathode ray tube (CRT) 15, 57, 81, 87–9, 92–3, 214
architecture of 88
color (CTV) 37, 77–8, 81, 84, 89–91, 94
flat panel 15, 75, 81, 84, 94
modularization in 94
Liquid Crystal Display (LCD) 81–2, 84–6, 88–9, 92, 98, 214
architecture of 88
Light-Emitting Diode (LED-LCD) 81
supplies of 89–90
vertical integration in market of 91
Organic EL 81
penetration ratio of 78
Plasma Display Panel (PDP) 81, 86, 88–9
pricing conflicts 87–8
rear-projection 81
surface-conduction electron-emitter display (SED) 81
use of ICs in 88–9
Thailand
Bangkok 254
monthly average wage in 297
Tianjin Wireless Factory
TV development activity of 78
top brand cell phones
consumer behaviour 110
production of 108, 110
smartphones 214–15
value chain 104–5, 107–8
Toshiba Corporation 86
joint venture activity of 95, 232
technical guidance provided to
Midea Group 231–2
technology provided by 232–3
Toshiba Semiconductor
contract with Galanz 96
total factor productivity (TFP) 21
concept of 13
township and village enterprises (TVEs) 221–2, 227, 234
concept of 279
Toyota Motor Corporation 62, 197, 201
joint venture activity of 197
market share of 200–201, 203
transaction costs 52, 54, 172
cost of 52–3
origin of concept of 29
use in price mechanisms 31
Trident Microsystems 89
bankruptcy of (2011) 91
Tritec Motors 65
turn-key solution 36
TWEA
established by Suzlon 135
United Arab Emirates (UAE)
Dubai 159–60
United Kingdom (UK) 59, 61, 65, 216
first TV broadcasting (1936) 78
United States of America (USA) 1, 18, 61, 89–91, 115, 129, 133, 146, 158, 197, 227, 254
automobile industry of 61
Department of Agriculture (USDA) 247
introduction of wind power to 127
installed capacity of 129
TV market of 81
urbanization 160, 191
impact on diffusion rate 191
value chains 6, 58–9, 63–4
cell phone
shanzhai 105–8, 112, 115, 118–20
top brand 104–5, 107–8
Chinese 57
global 4, 51, 53–4
governance 52, 55–6
captive 55, 66
hierarchy 54
market 54–5, 68–9
modular 54–5, 58
relational 55, 59, 64–6, 68
supportive 58, 64–8, 70
use of vertical integration to
graduate from 66
variable cost 39, 275
cost of 33
examples of 33
labor as 284, 287–8
Vensys
acquired by Goldwind 141
vertical differentiation 169
cost of 168–9
vertical disintegration 6, 26–8, 30–31, 37–8, 40, 74
cost of 3
in Chinese domestic wind turbine industry 136, 146
potential impact on innovation 76–7, 93
vertical integration 22, 26, 29–30, 52–4, 104
downstream 68–9
in LCD TV market 91
use in graduation from supportive
value chains 66
Vestas 133, 140, 143, 145
acquisition of NEGMicon (2003) 141
Index

market share of 129, 136
refusal to issue technical licenses 141
unit investment of 143
vigorous entry 3–4, 10–11, 14, 18, 26, 39–40, 52, 74, 84, 98, 164
as surging phenomenon 11
as temporary phenomenon 7
causes of 19
as desire to reduce entry cost 38
introduction of foreign technology 213, 228
relationship with low pricing 85, 96
relationship with price competition 31
Visteon, Yanfeng 57
Volkswagen
joint venture activity of 197
market share of 195, 200
Volvo
merger with Geely 1–2
wages 14, 40, 269
fixed-type 275, 294, 299
flexibility of 276
legal minimum 243
low 20, 35
mechanisms for setting 20
monthly average 297
of rural workers 244, 268
of urban workers 241
real annual 243
growth 290
real daily 269
subsistence 244, 266, 269–70
variable 294
Walmart 160
as example of merchant-mode intermediary 114
WDST
established by Siemens AG 135
Williamson, Oliver E. 29, 52, 54
wind power 14, 127, 141
blade suppliers 133, 135, 144, 146
development of industry 127–9, 131–3, 135
impact of transportation costs on 139–40
development of supply networks 140
market share 136
installed capacity of 127–9, 131
integrated control technology 141
MW-class turbines 127, 140
outsourcing of parts manufacturing 140–41
R&D activity 127, 130–32
wind turbine industry 131–2, 136, 138–41, 143–5
development of 145
investment cost in 143
vertical disintegration in domestic Chinese industry 135–6, 146
Wintec
acquired by Suzlon 141
Winwind
acquired by Suzlon 141
World Trade Organization (WTO) 133
Chinese accession to (2002) 15, 222, 226, 257
Wuling
market share of 195
XOCECO 89, 91
Xuehua
acquired by Hisense Co., Ltd. 229
Yahoo! Inc.
Yahoo Auction 158
Yearbook on the Farm Production Cost and Profit Survey 268
Yiwu China Commodity City (Yiwu Market) 156–9, 161, 163–5, 168–9
as first-tier wholesale market 157
One Village One Product scheme 164
Taobao Village 159
Yuan, Longping
hybrid rice variant developed by 261
Zambia 159
ZTE Communications 117, 120
offices of 101