
Contents

Authors	ix
Chapter 1 Introduction.....	1
1.1 General aspects	1
1.1.1 Patents	3
1.2 Patenting process through years.....	5
Chapter 2 Patent profile	9
2.1 Invention versus innovation	9
2.2 The importance of intellectual property protection.....	9
2.3 Patents as sources of advanced technologies	10
Chapter 3 How to use databases in patent search	13
3.1 Google Patents.....	14
3.2 Brazilian INPI.....	19
3.3 Web of Science—Derwent basic	24
3.4 SciFinder	30
3.5 USA patents (USPTO).....	36
3.6 Espacenet	42
3.7 FPO	44
Chapter 4 Practical exercises in patent search	49
4.1 Exercises.....	49
4.2 Expected answers	52
Chapter 5 Use of advanced patent search.....	59
5.1 Derwent advanced search	59
5.1.1 Derwent advanced joint operators	65
5.1.2 Derwent advanced wildcard characters.....	66
5.1.3 Derwent search strategy	70
5.2 Orbit.....	76

5.2.1	Keywords topic	76
5.2.1.1	Orbit joint operators	79
5.2.1.2	Orbit wildcard characters.....	81
5.2.1.3	Using operators and wildcard characters from Orbit	82
5.2.2	Classifications topic.....	83
5.2.3	Names topic.....	84
5.2.4	Numbers, dates, and country search field	84
5.2.5	Search strategy and search report.....	87
Chapter 6	Practical exercises by the advanced patent search.....	95
6.1	Exercises.....	95
6.2	Expected answers	98
Chapter 7	How to read a patent.....	105
7.1	To know the meaning of the information from the first page of the patent.....	105
7.2	What is the most important to read a patent quickly?	106
7.2.1	Important patent parts.....	106
7.2.1.1	Abstract	107
7.2.1.2	Claims.....	107
7.2.1.3	Specification.....	107
7.2.2	Reading the patent.....	108
7.2.2.1	Title and the abstract	108
7.2.2.2	Description.....	108
7.2.2.3	List of figures.....	109
7.2.2.4	Claims.....	109
7.3	Special case: procedure for a rapid analysis of a patent.....	110
7.3.1	Ignore the title, drawing, abstract, and specification	110
7.3.2	Ignore the dependent claims	110
7.3.3	Most importantly, read the independent claims.....	110
7.3.4	Another alternative is the following.....	111
Chapter 8	How to write a patent: basic information.....	113
8.1	Introduction.....	113
8.2	Parts of a patent application.....	113
8.2.1	Title of the invention	114
8.2.2	Inventors	114
8.2.3	Abstract	114
8.2.4	Claims.....	114
8.2.4.1	Grouping the claims.....	115
8.2.5	Drawings and brief description of the drawings.....	118
8.2.6	Background of the invention.....	118

8.2.7	Summary of the invention	119
8.2.8	Detailed description of the embodiments (examples).....	119
8.3	Remarks	120
Chapter 9 Final conclusions and perspectives.....		121
References	123	
Index	125	