

Title Page, Preface, Authors, Symbols and Abbreviations

Title Page

Authors

Institutions

Preface

Contents

Introduction	1
Ternary Systems	8
Al - Fe - V (Aluminium – Iron – Vanadium)	8
Al - Fe - Y (Aluminium – Iron – Yttrium)	18
Al - Fe - Zn (Aluminium – Iron – Zinc)	28
Al - Fe - Zr (Aluminium – Iron – Zirconium)	49
Al - Ge - Li (Aluminium – Germanium – Lithium)	59
Al - H - Li (Aluminium – Hydrogen – Lithium)	65
Al - H - Mg (Aluminium – Hydrogen – Magnesium)	71
Al - H - Ti (Aluminium – Hydrogen – Titanium)	78
Al - Hf - Ni (Aluminium – Hafnium – Nickel)	87
Al - Li - Mg (Aluminium – Lithium – Magnesium)	100
Al - Li - Mg (Aluminium – Lithium – Silicon)	116
Al - Li - Zn (Aluminium – Lithium – Zinc)	131
Al - Li - Zr (Aluminium – Lithium – Zirconium)	141
Al - Mg - Mn (Aluminium – Magnesium – Manganese)	149
Al - Mg - Ni (Aluminium – Magnesium – Nickel)	157
Al - Mg - Sc (Aluminium – Magnesium – Scandium)	164
Al - Mg - Si (Aluminium – Magnesium – Silicon)	172
Al - Mg - Sn (Aluminium – Magnesium – Tin)	185
Al - Mg - Ti (Aluminium – Magnesium – Titanium)	194
Al - Mg - Zn (Aluminium – Magnesium – Zinc)	198
Al - Mg - Zr (Aluminium – Magnesium – Zirconium)	217
Al - Mn - Pd (Aluminium – Manganese – Palladium)	222
Al - Mn - Ti (Aluminium – Manganese – Titanium)	260
Al - Mo - Ni (Aluminium – Molybdenum – Nickel)	273
Al - Mo - Ti (Aluminium – Molybdenum – Titanium)	294
Al - Ni - Si (Aluminium – Nitrogen – Silicon)	324
Al - Ni - Ti (Aluminium – Nitrogen – Titanium)	329
Al - Nb - Ti (Aluminium – Niobium – Titanium)	341
Al - Nb - Zr (Aluminium – Niobium – Zirconium)	387
Al - Ni - Ru (Aluminium – Nickel – Ruthenium)	396

Al - Ni - Si (Aluminium – Nickel – Silicon)	407
Al - Ni - Ta (Aluminium – Nickel – Tantalum)	432
Al - Ni - W (Aluminium – Nickel – Tungsten)	447
Al - Ni - Zr (Aluminium – Nickel – Zirconium)	458



<http://www.springer.com/978-3-540-25013-5>

Selected Systems from Al-Fe-V to Al-Ni-Zr
MSIT Materials Science International Team
2005, XVII, 463 p. With CD-ROM., Hardcover
ISBN: 978-3-540-25013-5