

Contents

IV/11E3 Ternary Alloy Systems Phase Diagrams, Crystallographic and Thermodynamic Data

Subvolume E Refractory Metal Systems

Part 3 Selected Systems from C-Ta-W to Ti-V-W

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Ternary Systems

C – Ta – W (Carbon – Tantalum – Tungsten)	1
C – Ta – Zr (Carbon – Tantalum – Zirconium)	18
C – W – Zr (Carbon – Tungsten – Zirconium)	31
Ca – O – V (Calcium – Oxygen – Vanadium)	48
Ca – O – Zr (Calcium – Oxygen – Zirconium)	69
Ce – O – Zr (Cerium – Oxygen – Zirconium)	87
Co – Cu – W (Cobalt – Iron – Tungsten)	111
Cr – Cu – O (Chromium – Copper – Oxygen)	126
Cr – Cu – S (Chromium – Copper – Sulfur)	138
Cr – Fe – W (Chromium – Iron – Tungsten)	150
Cr – La – O (Chromium – Lanthanum – Oxygen)	156
Cr – Mo – Ni (Chromium – Molybdenum – Nickel)	170
Cr – Mo – Si (Chromium – Molybdenum – Silicon)	182
Cr – Mo – Ti (Chromium – Molybdenum – Titanium)	192
Cr – Mo – Zr (Chromium – Molybdenum – Zirconium)	200
Cr – Nb – Si (Chromium – Niobium – Silicon)	210
Cr – Ni – W (Chromium – Nickel – Tungsten)	222

Cu – O – V (Copper – Oxygen – Vanadium)	240
Fe – Mo – Nd (Iron – Molybdenum – Neodymium)	257
Fe – Mo – W (Iron – Molybdenum – Tungsten)	270
Fe – Mo – Zr (Iron – Molybdenum – Zirconium)	278
Fe – N – Ti (Iron – Nitrogen – Titanium)	287
Fe – Nb – Y (Iron – Niobium – Yttrium)	299
Fe – O – V (Iron – Oxygen – Vanadium)	304
Fe – Si – W (Iron – Silicon – Tungsten)	330
Mo – N – Ti (Molybdenum – Nitrogen – Titanium)	339
Mo – Nb – Si (Molybdenum – Niobium – Silicon)	350
Mo – Nb – Zr (Molybdenum – Niobium – Zirconium)	366
Mo – Ni – W (Molybdenum – Nickel – Tungsten)	377
Mo – Si – Ta (Molybdenum – Silicon – Tantalum)	385
Mo – Si – U (Molybdenum – Silicon – Uranium)	398
Mo – Si – V (Molybdenum – Silicon – Vanadium)	409
Mo – Si – W (Molybdenum – Silicon – Tungsten)	417
Mo – Si – Zr (Molybdenum – Silicon – Zirconium)	428
Mo – Ti – V (Molybdenum – Titanium – Vanadium)	435
Mo – Ti – Zr (Molybdenum – Titanium – Zirconium)	441
N – O – Si (Nitrogen – Oxygen – Silicon)	455
N – U – Zr (Nitrogen – Uranium – Zirconium)	475
Nb – Ni – Ti (Niobium – Nickel – Titanium)	480
Nb – Ni – V (Niobium – Nickel – Vanadium)	496
Nb – Si – Ti (Niobium – Silicon – Titanium)	505
Nb – Si – W (Niobium – Silicon – Tungsten)	523
Nb – V – Zr (Niobium – Vanadium – Zirconium)	533
O – Si – Zr (Oxygen – Silicon – Zirconium)	543
O – Ti – Zr (Oxygen – Titanium – Zirconium)	564
O – U – Zr (Oxygen – Uranium – Zirconium)	585
O – Y – Zr (Oxygen – Yttrium – Zirconium)	598
Si – Ti – V (Silicon – Titanium – Vanadium)	625
Ti – V – W (Titanium – Vanadium – Tungsten)	636