of Erbium Pnictides M. N. Abdusalyamova and O. I. Rachmatov

The Institute of Chemistry of Tajik Academy of Science, Aini St. 299/2, 734063 Dushanbe, Tajikistan

Reprint requests to Prof. M. N. A.; Fax: 992372210404; E-mail: dali@ac.tajik.net

The Investigation of Phase Diagrams

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The phase diagrams of Er-Sb and Er-Bi have been obtained. Erbium forms three compounds with antimony as well as bismuth. The antimonides and bismuthides Er₅Sb₃

well as bismuth. The antimonides and bismuthides Er₃Sb₃ (1640°C), Er₅Bi₃ (1427°C), ErSb₂ (650°C) and ErBi₂ (595°C) are formed by peritectic reactions. ErSb (2040°C) and ErBi (1860°C) melt congruently.

and ErB₁ (1860°C) melt congruently.

Key words: Rare Earth Elements; Phase Diagram.

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