Be-V (Beryllium-Vanadium)

H. Okamoto

The Be-V phase diagram shown in [Massalski2] was updated by [2006Oka] by adding a new phase Be_{17}V_2 based on the work of [2004Ohn]. This new phase diagram was still incomplete on the V-rich side. In addition, [2006Oka] questioned the large difference in the sharpness of the liquidus curves around the congruent melting points of Be_{12}V and Be_2V .

The problems described above were alleviated in the Be-V phase diagram calculated by [2006Nis], as shown in Fig. 1. However, most boundaries of this phase diagram require confirmation experimentally.

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Fig. 1 Be-V phase diagram