Al-Ho (Aluminum-Holmium)

H. Okamoto

The Al-Ho phase diagram in [Massalski2] was adopted from [1988Gsc], which depended primarily on the work of [1966Mey]. The form of liquidus was unusually asymmetric around Al_2Ho and AlHo_2 in view of a criterion given by [1993Oka].

This problem was solved in the Al-Ho phase diagram shown in Fig. 1 calculated by [2010Jin]. Although this phase diagram is thermodynamically more plausible than that shown in [Massalski2], phase boundaries deviate more from the experimental data observed by [1966Mey]. Accordingly, experimental confirmation is needed on phase boundaries particularly around the liquidus of Al_2Ho and AlHo_2 .

References

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Fig. 1 Al-Ho phase diagram