Cd-Cu (Cadmium-Copper)

H. Okamoto

The Cd-Cu phase diagrams in [Massalski2] was redrawn from [1990Sub], which was primarily based on [1924Jen]. Since then, the limit of Cd solubility in (Cu) was examined by many investigators (see [1990Sub]), but there has been no additional information on the complete phase diagram. Figure 1 shows the Cd-Cu phase diagram calculated by [2010Che]. The phase boundary data used in the thermodynamic modeling were the same as those used in the assessment done by [1990Sub]. The calculated phase diagram agreed well with the result of [1924Jen].

References

- 1924Jen:** C.H.M. Jenkins and D. Hanson, The Constitution of the Alloys of Copper and Cadmium, *J. Inst. Met.*, 1924, **31**, p 257-273
- 1990Sub:** P.R. Subramanian and D.E. Laughlin, The Cd-Cu (Cadmium-Copper) System, *Bull. Alloy Phase Diagrams*, 1990, **11**(2), p 160-169
- 2010Che:** X. Chen, L. Liu, L. Zhang, H. Bo, and Z. Jin, Thermodynamic Assessment of Cu-Cd System, *Trans. Nonferrous Met. Soc. China*, 2010, **20**, p 649-654

Fig. 1 Cd-Cu phase diagram [2010Che]