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Phase equilibria in ternary Au-Cu-Sn and quaternary Ag-Au-Cu-Sn systems.



- •There are 10 single-phase regions, 18 two-phase regions,
- •10 three-phase regions.
- •Three ternary IMC: A, B and C.

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- •95at.%Sn isoplethal section at 200°C is experimentally determined.
- There are3 two-phase regions, 3 three-phase regions, 1 four-phase region.
- •No quaternary IMCs are found.





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A method to bond components and substrate Solid-Liquid Interdiffusion Bonding, SLID





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A novel method to synthesize carbon nanotubes by using chemical vapor deposition-fluidized bed reactor from solid-stated polymers



CNTs have been successfully synthesized by using solid-stated PCS and PE as carbon sources and Ni shots with MgO and Fe(NO₃)₃ as the catalysts.
The characters of CNTs are from 15 to 90 nm diameter and several mm in length.

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