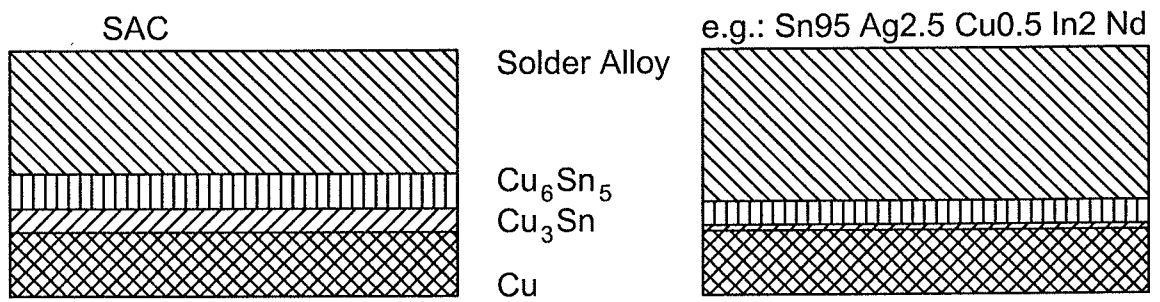


Boundary Surface Structure after Heated Storage:



Formation of Ag_3Sn Phases

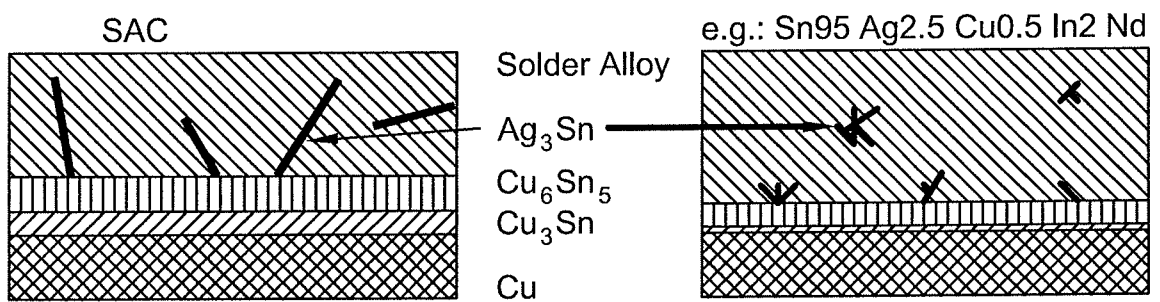
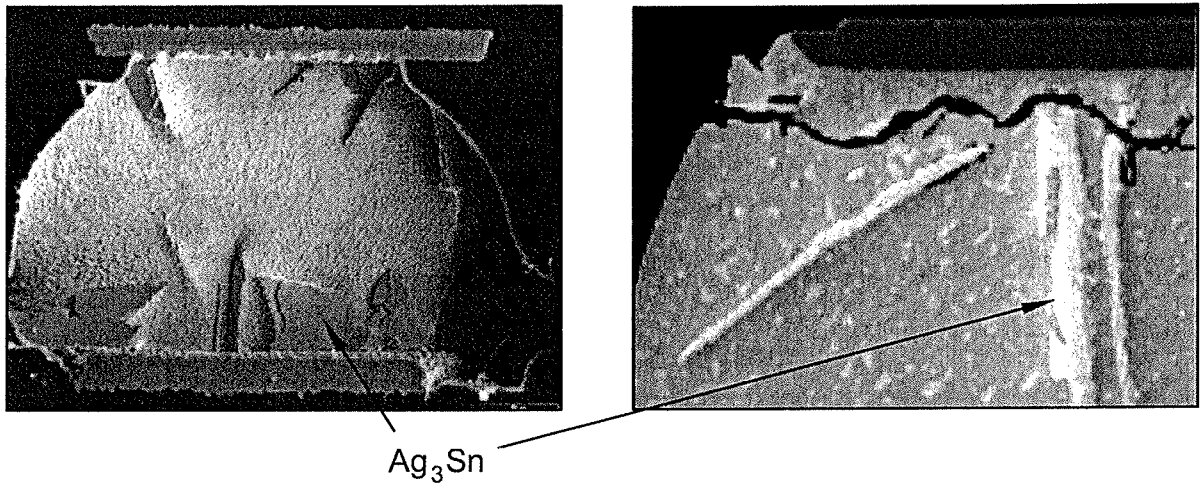


Fig. 1

Ag_3Sn without Modifier



With Crystal Modifier Nd

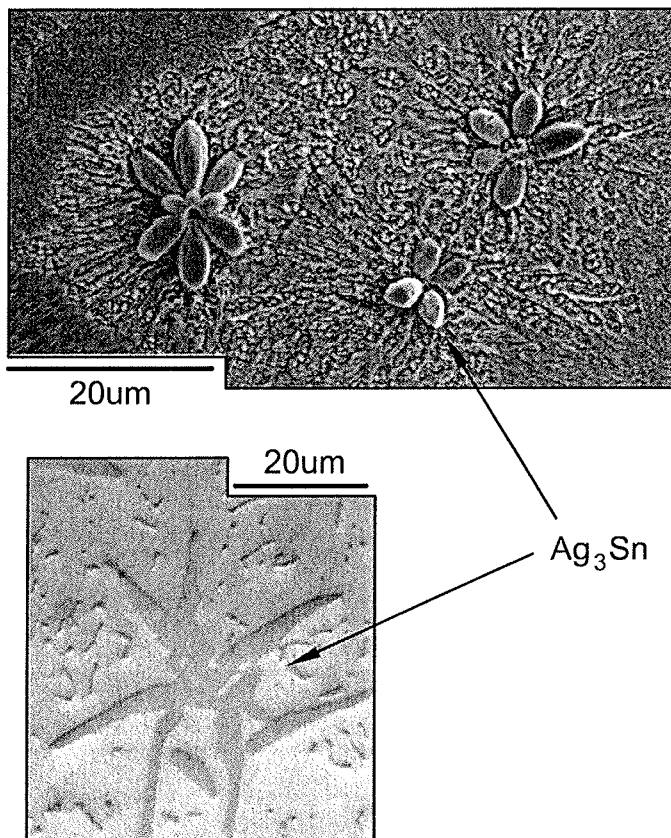
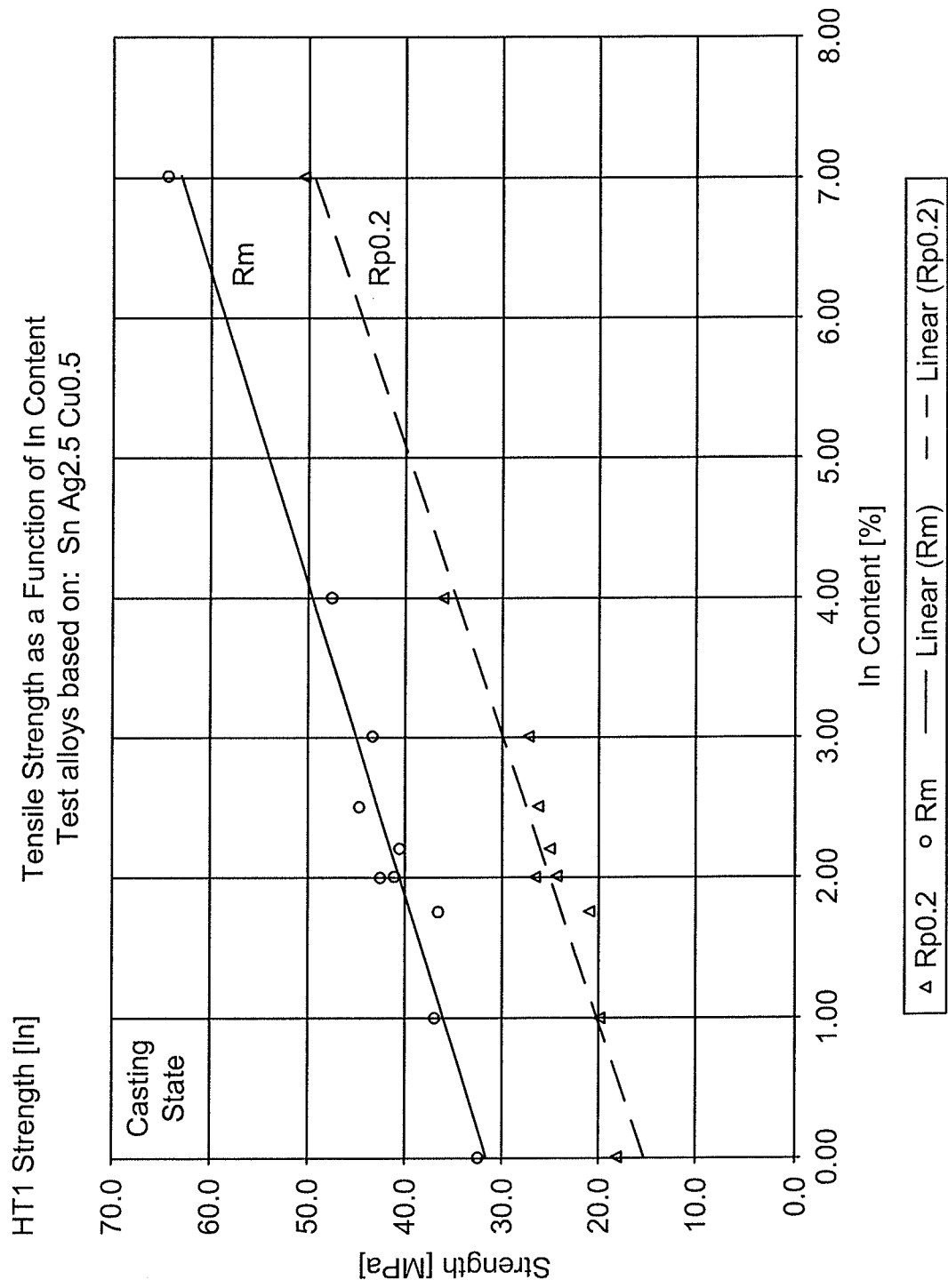
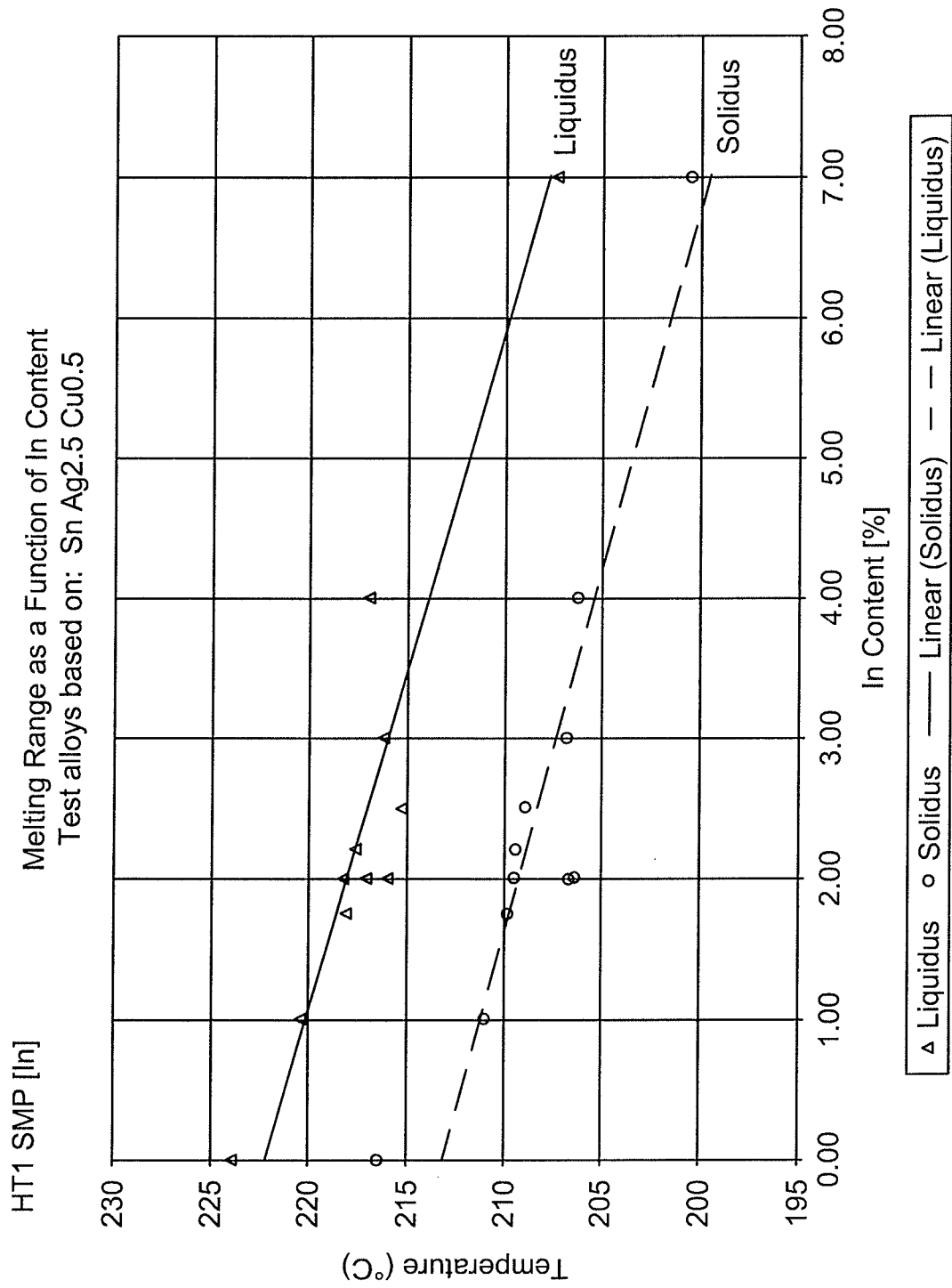


Fig. 2

**Fig. 3**

**Fig. 4**

Ag₃Sn Phases Growing from the Solder Point

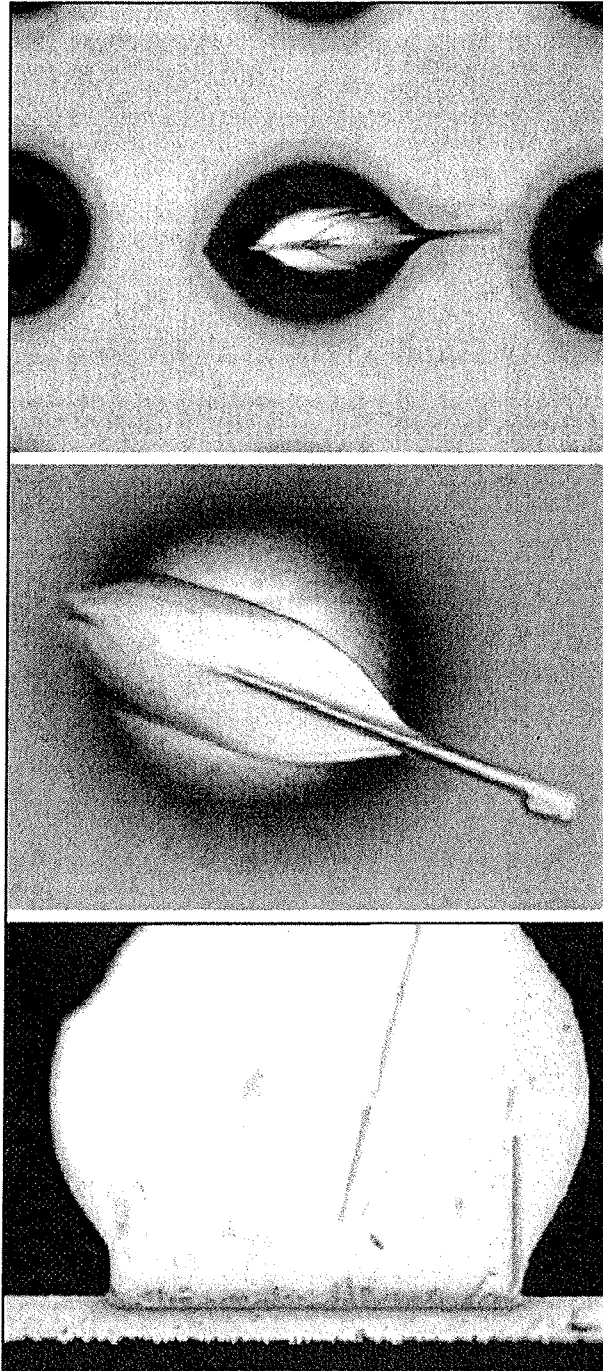
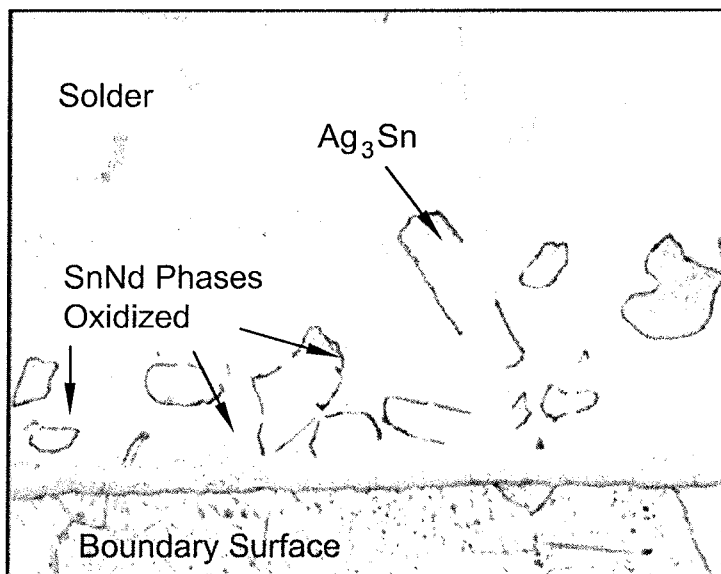


Fig. 5

Transverse Microsection



Fig. 6



Copper Substrate Stored 175°C / 120 hr.