

## AN ORIENTATION DEVICE FOR A THERMODE ASSEMBLY OF A THERMOCOMPRESSION BONDING APPARATUS

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### ABSTRACT

An orientation device for a thermode assembly of a thermocompression bonding apparatus, the orientation device comprising a first sub-assembly having a first plate for mounting the thermode assembly; a first shaft, the first plate being arranged for orientation about an axis of the first shaft; and a second sub-assembly having a second plate for mounting on a compression actuator of the thermocompression bonding apparatus; a second shaft, the first plate being arranged for orientation about an axis of the second shaft; wherein the first shaft is disposed orthogonally to the second shaft; the orientation device further comprising a first adjustment mechanism coupled between the first plate and the second shaft for adjusting orientation of the first plate about the axis of the first shaft; and a second adjustment mechanism coupled between the second plate and the first shaft for adjusting orientation of the first plate about the axis of the second shaft.

20 **Figure 3**