

ABSTRACT

BOND HEAD HEATER INCORPORATING **FLUID CHAMBER FOR COOLING**

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A cooling system provided for a bond head heater including a heater plate which is operative to heat a die that is being held adjacent to the bond head heater has at least one fluid chamber thermally coupled to the heater plate.

- 10 The fluid chamber includes an enclosure for containing a fluid, and a fluid inlet and a fluid outlet coupled to the fluid chamber. Fluid is introduced into the fluid chamber through the fluid inlet and is exhausted from the fluid chamber through the fluid outlet. The fluid is configured to flow through a heat transmission path lying substantially next to the heater plate when the fluid is
- 15 travelling between the fluid inlet and the fluid outlet.

(FIG. 3)