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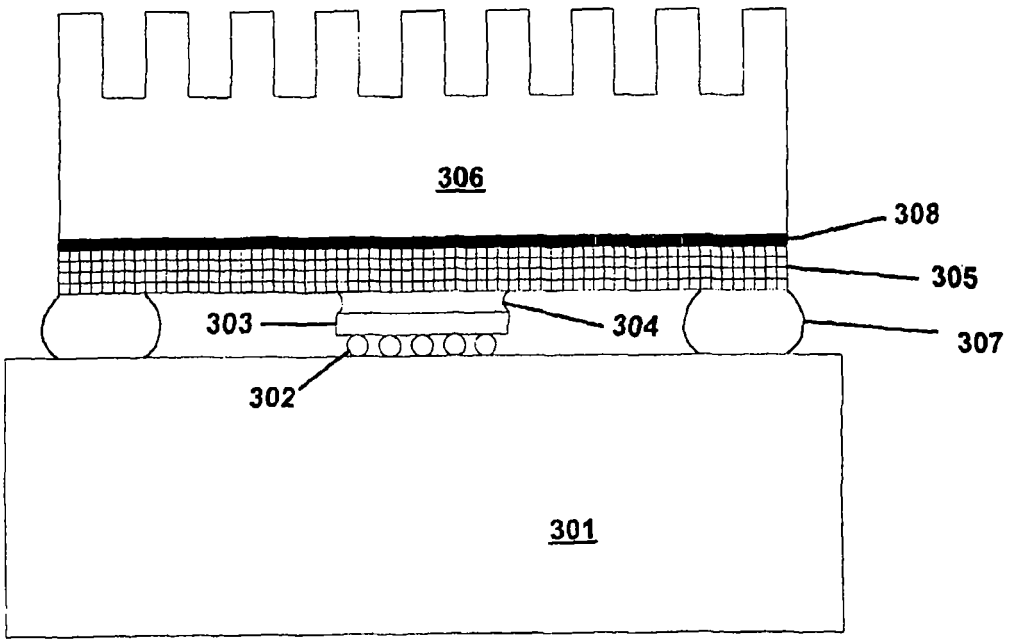
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[Continued on next page]

(54) Title: CARBON-CARBON FIBER COMPOSITE HEAT SPREADER



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(57) Abstract: A heat spreader (305), comprised of a plurality of carbon fibers oriented in a plurality of directions, with a carbon or metal matrix material dispersed about the fibers, is described. The carbon fibers facilitate the spreading of heat away from the smaller semiconductor device (303) and up to a larger heat removal device, such as a heat sink (306).

ACTION

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