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(54) Title: DOUBLE-SIDED NANOWIRE ARRAY FILMS

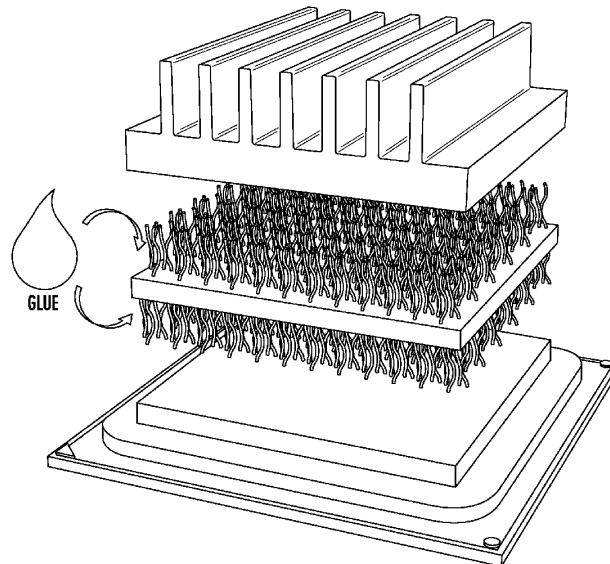


FIG. 1

(57) Abstract: Disclosed herein is a nanostructured composite thermal interface and a method for fabricating the interface. The interface consists of a metal foil having arrays of metal nanowires disposed on either side thereof. An adhesive polymer is interspersed within the nanowires in each array and serves as a binder to adhere the interface to the surfaces of target objects, for example, a CPU and a heat sink.

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