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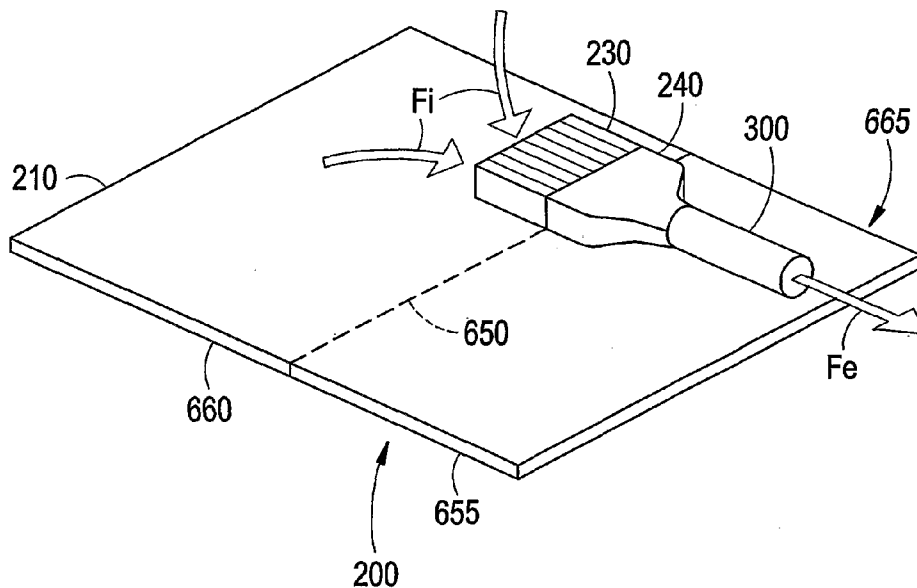
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(54) Title: METHOD AND SYSTEM FOR COOLING HIGH POWER DENSITY DEVICES



(57) Abstract: A turbomachinery system (200) for cooling a high power density device (220) includes a turbomachine (300) configured to deliver a high flux cooling medium toward the high power density device (220), a housing (305) containing a motor (312), a compressor (340), or both, of the turbomachine (300) a heat exchanger (230) in fluid communication with the turbomachine (300) and arranged for being thermally coupled to the high power density device (220), and a transition duct (240) arranged intermediate the heat exchanger (230) and turbomachine (300).

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