

Patent
99-218 SGAbstract of the DisclosureFOLDED FIN HEAT SINK AND FAN ATTACHMENT

5 The heat sink assembly (10) using clamping methods to secure folded fin (12) to a thermally conductive plate (18). The sheet (12) goes through a folding and indexing process in which the ridges (14) and troughs (16) of the folded fin (12) are formed. In accordance with a heat sink assembly, a spring clamp (20) forces a folded conductive sheet (12) against a thermally conductive plate (18). The clamp may include a tab (30) that latches beneath the plate (18) to hold the folded sheet (12) clamped against the plate (18). A fan (120) may be
10 mounted on top of the heat sink assembly (10). When space permits, a cooling fan assembly (100) may be used in which a fan (120) is mounted in a housing (110) that includes a baffle (140) to obstruct a portion of the direct air path from the fan (120). Air moves around the baffle (140) into the channels formed by the folded fin (12) and then behind the baffle and out of the air channels. The housing may include a hood (150) to discourage exiting air from
15 recirculating through the fan.

This Sheet Has Been Replaced

