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(54) **PASSIVE HEAT DISSIPATION AC POWER
SUPPLY FOR IT EQUIPMENT**

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(57)

ABSTRACT

An apparatus comprising an ac/dc power supply for providing power to power consumers in an internet data center or to a stand-alone server includes power-handling circuitry and a passive heat-dissipation system that passively dissipates heat generated by the power-handling circuitry. The passive heat-dissipation system comprises a housing that encloses that power-handling circuitry and a thermal network that provides thermal communication between the power-handling circuitry and faces of the housing.

