

- ii) a first and a second area, at least the first area lying between the two lengthwise ends, the first and second areas being separate and arranged along the length of the rail thermal connector;

the first heat transmitter being contacted to and being in thermal contact with the first area and the second heat transmitter being contacted to and being in thermal contact with the second area;

the rail thermal connector being adapted to be received by the generally u-shaped channel when the computer system is installed in the cooling rack enclosure;

the second surface being opposite to the first surface, both the first surface and the second surface being adjacent to the open side of the channel with the span of the channel lying between them, the first surface being substantially perpendicular to the face of the cooling rack enclosure that the channel transverses;

the rail thermal connector being adapted to be urged against the first surface by applying an urging force to the rail thermal connector in a direction substantially normal to the first surface when the computer system is installed in the cooling rack enclosure.

- 15) The rack mount computer system of claim 14, the rack mount computer system being adapted to allow the rail thermal connector to be urged against the first surface without engendering movement in the rail thermal connector relative to the chassis in a direction normal to the side of the chassis when the computer system is installed in the cooling rack enclosure.
- 16) The rack mount computer system of claim 15, the rack mount computer system being adapted to allow the rail thermal connector to be urged against the first surface without requiring the chassis to move in a direction normal to the side of the chassis from which the rail thermal connector projects when the computer system is installed in the cooling rack enclosure.
- 17) The rack mount computer system of claim 14, the rack mount computer system being configured to allow the rail thermal connector to be urged against the first surface with the only movement of the chassis or rail thermal connector being in a direction normal to the first surface when the computer system is installed in the cooling rack enclosure.
- 18) The rack mount computer system of any of claims 14 to 17, wherein at least a portion of the first heat transmitter is not in contact with the chassis.
- 19) The rack mount computer system of any of claims 14 to 18, the rail thermal connector

comprising a continuous physical thermal path between the surface of the rail thermal connector that is brought into physical contact with the first surface of the channel and the first area of the rail thermal connector, the continuous physical thermal path crossing only fixed thermal interfaces.

- 20) The rack mount computer system of any of claims 14 to 19, the rail thermal connector being adapted to be a fixed body between the surface of the rail thermal connector being brought into physical contact with the first surface of the channel and the first area of the rail thermal connector.
- 21) The rack mount computer system of claim 20, the rail thermal connector being a solid article comprising of a thermally conductive material.
- 22) The rack mount computer system of any of claims 14 to 21, the rail thermal connector further comprising a movable portion, the movable portion being operable to urge the rail thermal connector against the first surface by being braced against the second surface when the rack mount equipment is installed in the rack enclosure.
- 23) The rack mount computer system of claim 22, the movable portion comprising a spring configured to brace the rail thermal connector against the second surface.
- 24) The rack mount computer system of any of claims 14 to 23, wherein the rail thermal connector is immovable relative to the chassis in a direction normal to the side of the chassis that the rail thermal connector protrudes from.
- 25) The rack mount computer system of any of claims 14 to 24, the rail thermal connector being fixed in relation to the chassis.
- 26) The rack mount computer system of any of claims 14 to 25, the rail thermal connector being continuous along its length.
- 27) The rack mount computer system of any of claims 14 to 26, the rack mount computer system being configured as a computer server, a compute server, a storage server, a server blade, compute blade, a storage blade, a network switch, a network router, a network appliance, a power supply, a power converter, a power management system, a power distribution unit or a power shelf.
- 28) The rack mount computer system of any of claims 14 to 27 being installed in a data center.