

CLAIMS

1. A computer system comprising:
a housing with a protrusion;
a heat generating device;
a heat exchanger; and
a heat pipe configured to transfer heat from a first end of the heat pipe to a second end of the heat pipe;
wherein the first end of the heat pipe is coupled to the heat generating device;
wherein the second end of the heat pipe is coupled to the heat exchanger; and
wherein the second end of the heat pipe is arranged in the protrusion of the housing.
2. The computer system of claim 1,
wherein the protrusion comprises a part of a foot of the housing of the computer system.
3. The computer system of claim 2,
wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
4. The computer system of claim 1,
wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.
5. The computer system of claim 1,
wherein the heat exchanger comprises a plurality of fins;
wherein the fins have an at least generally rectangular shape.

6. The computer system of claim 1, further comprising:
a blower configured to blow air through the heat exchanger.
7. The computer system of claim 1,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.
8. A part of a housing for a computer system, the part comprising:
a protrusion configured to hold one end of a heat pipe of the computer system.
9. The part of claim 8,
wherein the protrusion comprises a part of a foot of the housing of the computer system.
10. The part of claim 9,
wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
11. The part of claim 8,
wherein another end of the heat pipe is configured to be connected to a heat generating device.
12. The part of claim 11,
wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.
13. The part of claim 8,
wherein the one end of the heat pipe is connected to a heat exchanger.
14. The part of claim 8,
wherein the heat exchanger comprises a plurality of fins;

wherein the fins have an at least generally rectangular shape.

15. The part of claim 8,
wherein a blower is configured to blow air through the heat exchanger.
16. The part of claim 8,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.
17. The part of claim 8,
wherein the part is a D-part.
18. A method for assembling parts of a computer system, the method comprising:
providing one end of a heat exchanger of the computer system in a protrusion of a housing of the computer system,
19. The method of claim 18,
wherein the protrusion comprises a part of a foot of the housing of the computer system.
20. The method of claim 19,
wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
21. The method of claim 18, further comprising:
connecting the one end of the heat pipe to a heat exchanger.
22. The method of claim 18, further comprising:
connecting another end of the heat pipe to a heat generating device.
23. The method of claim 22,

wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.

24. The method of claim 18,
wherein the heat exchanger comprises a plurality of fins;
wherein the fins have an at least generally rectangular shape.
25. The method of claim 18, further comprising:
providing a blower configured to blow air through the heat exchanger.
26. The method of claim 18,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.

CLAIMS

1. A computer system comprising:
 - a housing with a protrusion;
 - a heat generating device disposed within the housing;
 - a heat exchanger disposed within the housing; and
 - a heat pipe configured to transfer heat from a first end of the heat pipe to a second end of the heat pipe;
 - wherein the first end of the heat pipe is coupled to the heat generating device;
 - wherein the second end of the heat pipe is coupled to the heat exchanger;
 - wherein the second end of the heat pipe is arranged in the protrusion of the housing; and
 - wherein the protrusion comprises a part of a foot of the housing of the computer system;
 - wherein the heat exchanger is configured to remove heat from the heat pipe;
 - wherein the foot extends out of a bottom surface of the housing, the bottom surface of the housing facing a surface on which the computer system stands.*
2. The computer system of claim 1,
 - wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
3. The computer system of claim 1 or 2,
 - wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.
4. The computer system of any one of claims 1 to 3,
 - wherein the heat exchanger comprises a plurality of fins;
 - wherein the fins have an at least generally rectangular shape.

5. The computer system of any one of claims 1 to 4, further comprising:
a blower configured to blow air through the heat exchanger.
6. The computer system of any one of claims 1 to 5,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.
7. A part of a housing for a computer system, the part comprising:
a protrusion configured to hold one end of a heat pipe of the computer system;
wherein the protrusion comprises a part of a foot of the housing of the computer system,
wherein the foot extends out of a bottom surface of the housing, the bottom surface of the housing facing a surface on which the computer system stands.
8. The part of claim 7,
wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
9. The part of claim 7 or 8,
wherein another end of the heat pipe is configured to be connected to a heat generating device.
10. The part of claim 9,
wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.
11. The part of any one of claims 7 to 10,
wherein the one end of the heat pipe is connected to a heat exchanger.
12. The part of claim 11,
wherein the heat exchanger comprises a plurality of fins;

wherein the fins have an at least generally rectangular shape.

13. The part of claim 11 or 12,
wherein a blower is configured to blow air through the heat exchanger.
14. The part of any one of claims 7 to 13,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.
15. The part of any one of claims 7 to 14,
wherein the part is a D-part.
16. A method for assembling parts of a computer system, the method comprising:
providing one end of a heat exchanger of the computer system in a protrusion of a housing of the computer system;
wherein the protrusion comprises a part of a foot of the housing of the computer system;
wherein the heat exchanger is configured to remove heat from the heat pipe;
wherein the foot extends out of a bottom surface of the housing, the bottom surface of the housing facing a surface on which the computer system stands.
17. The method of claim 16,
wherein the foot provides a distance of a main surface of a lower part of the housing and a surface on which the computer system stands.
18. The method of claim 16 or 17, further comprising:
connecting one end of a heat pipe to the heat exchanger.
19. The method of claim 18, further comprising:
connecting another end of the heat pipe to a heat generating device.

20. The method of claim 19,
wherein the heat generating device comprises at least one of a central processing unit and a graphics processing unit.
21. The method of any one of claims 16 to 20,
wherein the heat exchanger comprises a plurality of fins;
wherein the fins have an at least generally rectangular shape.
22. The method of any one of claims 16 to 21, further comprising:
providing a blower configured to blow air through the heat exchanger.
23. The method of any one of claims 16 to 22,
wherein the dimensions of the protrusion are in the range of 1 to 6 mm.