

Title (en)

COMPUTER HAVING COOLING APPARATUS AND HEAT EXCHANGING DEVICE OF THE COOLING APPARATUS

Title (de)

COMPUTER MIT KÜHLVORRICHTUNG UND WÄRMEAUSTAUSCHEINRICHTUNG DER KÜHLVORRICHTUNG

Title (fr)

ORDINATEUR A REFROIDISSEUR ET ECHANGEUR THERMIQUE DE CE REFROIDISSEUR

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Application

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Abstract (en)

[origin: WO0190867A1] A computer having a cooling apparatus and a heat exchanging device of the cooling apparatus are provided. The cooling apparatus includes a heat exchanging device for absorbing heat from heat-producing components. A passageway is provided in the heat exchanging device and a liquid coolant circulates through the passageway. A heat dissipation device has a liquid coolant reservoir having radiating fins provided on its surface. The heat exchanging device and the reservoir are connected by a first conduit and a second conduit. The liquid coolant circulates from the heat dissipation device to the heat exchanging device and back to the heat dissipation device by means of a pump. The heat dissipation device is separated from an interior space of the computer by a separating wall for isolating the heat-producing components from the flow of ambient air. The flow of ambient air passing through the radiating fins for exhausting heat from the liquid coolant can be produced by natural convection or forcibly produced by a fan.

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**G06F 1/20**

IPC 8 full level

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