

Title (en)
SYSTEM FOR COOLING DEVICE IN COMPUTER

Title (de)
KÜHLSYSTEM FÜR RECHNER

Title (fr)
SYSTEME DE REFROIDISSEMENT DE DISPOSITIFS A L'INTERIEUR D'UN ORDINATEUR

Publication
EP 1062563 A1 20001227 (EN)

Application
EP 99909361 A 19990315

Priority
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• KR 19980008723 A 19980316

Abstract (en)
[origin: WO9947994A1] A computer has a heat exchange surface (3) exposed to the surrounding, a device or element generating heat, and a cooling system for transferring the heat of the device or element via the heat exchange surface. The cooling system includes a first heat exchange container (4) and a second heat exchange container (6). The first heat exchange container is coupled to the device or element so as to be capable of transferring the heat from the device or element to the first heat exchange container. The second heat exchange container is coupled to the heat exchange surface so as to be capable of transferring the heat from the second heat exchange container to the heat exchange surface and disposed at a position higher than the first heat exchange. A first tube (7) and a second tube (8) connect between the first heat exchange container and the second heat exchange container. The first heat exchange container, second heat exchange container and tubes define an inner closed space in which a refrigeration medium is contained. The cooling the device or element is conducted by way of phase change and flow of the refrigeration medium.

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G06F 1/20; **H05K 7/20**

IPC 8 full level
G06F 1/20 (2006.01); **H01L 23/427** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP KR)
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