

Title (en)
COMPUTER ROOM AIR FLOW METHOD AND APPARATUS

Title (de)
RECHNERRAUMLUFTSTRÖMUNGSVERFAHREN UND -VORRICHTUNG

Title (fr)
PROC D ET DISPOSITIF DE CIRCULATION D'AIR EN SALLE INFORMATIQUE

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Application
EP 01961666 A 20010823

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- US 84216701 A 20010426

Abstract (en)
[origin: WO0216854A1] A computer room reduced air flow method and apparatus is provided which utilizes an increased delta T to reduce the required air quantity required from an air conditioning system (14), thus resulting in a reduced air flow capability. Specifically, the present invention utilizes an approximately 40 degree delta T to reduce the CFM requirements by substantially 50% so as to correspondingly reduce the required power for the fan (125) by approximately 50% so as to result in substantial energy savings. The present invention serves to communicate cooling air from a cooling apparatus into an air passageway (104c), guiding the cooling air within the air passageway into the equipment assembly and introducing the air released from the equipment into either a plenum for communicating such released air to the cooling apparatus or introducing the air released from the equipment into the room in which the equipment and/or cooling apparatus are located.

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F28F 7/00; **H05K 7/20**

IPC 8 full level
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G06F 1/20 (2013.01); **H05K 7/20745** (2013.01)

Citation (search report)

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- See references of WO 0216854A1

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