

Title (en)
AIR CONDITIONING SYSTEM

Publication
EP 0157507 A3 19860205 (EN)

Application
EP 85301636 A 19850308

Priority
GB 8407992 A 19840328

Abstract (en)
[origin: EP0157507A2] An economical and efficient air conditioning system for supplying clean air to equipment, such as a main frame computer, comprises a row of units (10, 11, 12) arranged side by side. Each unit (1) has an impeller (14) which draws air in through a filter (15) and forces it through cooling means (16) to underfloor ducts which supply the equipment. Temperature sensors, e.g. under the floor, control the impeller speed and the cooling means temperature so that the equipment temperature is maintained in the narrow range required for optimum functioning. If one unit should fail or be shut down for servicing the adjacent units can provide temporary back-up by opening of dampers (23) at each side of the affected unit and increased impeller speed in the remaining units.

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F24F 1/02; **F24F 11/02**

IPC 8 full level
F24F 11/81 (2018.01); **F24F 1/02** (2011.01)

CPC (source: EP US)
F24F 1/0284 (2019.01 - EP US); **F24F 1/0323** (2019.01 - EP US); **F24F 1/035** (2019.01 - EP US); **F24F 11/81** (2017.12 - EP US); **F24F 11/89** (2017.12 - EP)

Citation (search report)

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- [A] FR 2442407 A1 19800620 - BURGARELLA JOSEPH
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- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 16, no. 1, June 1973, pages 296-297, Armonk, New York, US; R.C. CHU et al.: "Air cooling scheme"
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- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 15, no. 12, May 1973, pages 3654-3655, Armonk, New York, US; R.C. CHU et al.: "Uninterruptible modular air-cooled system"
- [A] REVUE PRATIQUE DU FROID ET DU CONDITIONNEMENT D'AIR, vol. 27, 15th May 1974, pages 77-88, Paris, FR; G. VANDERBORRE: "Traitement de "l'environnement" d'une salle d'ordinateur"

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