

Title (en)

Energy balanced refrigeration system.

Title (de)

Energetisch ausgeglichenes Kälteverfahren.

Title (fr)

Système frigorifique équilibré en énergie.

Publication

EP 0583152 A1 19940216 (EN)

Application

EP 93306304 A 19930810

Priority

GB 9216947 A 19920810

Abstract (en)

An energy balanced refrigerated unit includes a refrigerated cabinet (10) and a refrigeration system. The refrigeration system comprises a self-contained refrigeration fluid circuit (12) for cooling the cabinet and removes heat from the refrigeration fluid by air and fluid cooled condensers (20,24). The air condenser (20) removes heat and returns it to the immediate vicinity of the refrigerated unit (10) to maintain the energy balance in the immediate vicinity while the fluid cooled condenser (24) is connected to a suitable fluid circuit (26) and the heat extracted therefrom is removed to a remote location so as not to effect the temperature of the surrounding environment. <IMAGE>

IPC 1-7

F25B 6/00; **F25D 23/00**; **A47F 3/04**

IPC 8 full level

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Citation (search report)

- [Y] US 3230732 A 19660125 - RUTISHAUSER DONALD E, et al
- [Y] US 4314452 A 19820209 - WATERS MICHAEL A
- [A] US 3180109 A 19650427 - KIMMEL CLIFFORD J
- [A] DE 2917845 A1 19801113 - HOFFMANN ERNST H DIPL ING
- [A] US 3210957 A 19651012 - RUTISHAUSER DONALD E, et al
- [A] US 4220011 A 19800902 - BERGMAN MARK O [US], et al
- [A] US 2250648 A 19410729 - PHILIPP LAWRENCE A
- [A] GB 2198220 A 19880608 - BARKER GEORGE & CO LTD
- [A] US 4484450 A 19841127 - DOLCE AUGUSTINE J [US]
- [A] US 4803848 A 19890214 - LABRECQUE JAMES C [US]
- [A] US 4535603 A 19850820 - WILLITTS BENJAMIN R [US], et al
- [A] FR 747508 A 19330619 - NEU SA

Cited by

CN103557670A; EP0697089A4; EP0936421A3; US2009215381A1; US8647183B2; US9687086B2; DE102007062002A1; WO2015071511A1

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