

Title (en)
IMPROVED THERMOELECTRIC TEMPERATURE CONTROL ASSEMBLY FOR CENTRIFUGES

Publication
EP 0335475 A3 19910102 (EN)

Application
EP 89201159 A 19850318

Priority
• EP 85901768 A 19850318
• US 60536084 A 19840430

Abstract (en)
[origin: EP0335475A2] A thermoelectric temperature control assembly for transferring heat to or from a heat sink (30) in a centrifuge of the type having a rotor (14), a temperature controlled vessel, and a housing (20, 22, 24, 26) enclosing the vessel (18). A plurality of thermoelectric devices (50, 52, 54) are mounted in an electrically and thermally nonconducting substrate (40) located between the vessel (18) and the heat sink (30) such that the upper and lower surfaces of the devices (50, 52, 54) are in direct thermal contact with the vessel (18) and heat sink (30) respectively. The weight of the vessel (18) lessens the thermal resistance of the thermal contacts, and this effect may be enhanced by providing mechanical means (19, 21), supported by the housing (20, 22, 24, 26) for pressing the vessel (18) downwardly against the devices (50, 52, 54).

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B04B 15/02 (2006.01); **F25B 21/02** (2006.01)

CPC (source: EP)
B04B 15/02 (2013.01); **F25B 21/02** (2013.01)

Citation (search report)
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