

Title (en)
An Alerting Device

Title (de)
Alarmvorrichtung

Title (fr)
Dispositif d'alerte

Publication
EP 2618082 A2 20130724 (EN)

Application
EP 13000289 A 20130121

Priority
GB 201200954 A 20120119

Abstract (en)
An alerting device is adapted to detect liquid in a cooling chamber. Liquid may accumulate in a cooling chamber due to several causes. There may be a malfunction so that temperature in the cooling chamber is warmer than necessary to freeze the contents and so the contents melt. There may be an excess of moisture in the air in the cooling chamber which condenses more quickly than it can drain. There may be a blockage in the drain either due to flotsam and jetsam in the liquid or because the liquid freezes in the drain. The alerting device comprises a liquid detector and a temperature monitoring sensor. If the liquid detector detects liquid materials or ice at a level above the preset limit, the alerting devices provides a signal, this will also occur if the temperature sensor falls below a preset temperature set point. The alerting device also comprises a heater. If the liquid freezes, the heater may melt a portion of the ice formed so that liquid may be readily detected, this will also keep the sensor free of frost and ice to ensure correct operation and detection.

IPC 8 full level
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CPC (source: EP GB)
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Cited by
CN114909843A; EP3101396A3

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