Title (en)
  HEAT TRANSFER DEVICE

Title (de)
  WÄRMEÜBERTRAGUNGSVORRICHTUNG

Title (fr)
  DISPOSITIF DE TRANSFERT DE CHALEUR

Publication
  EP 1049902 A1 20001108 (EN)

Application
  EP 99902669 A 19990125

Priority
  • GB 9900255 W 19990125
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Abstract (en)
  [origin: WO9937958A1] A heat transfer device (10, 110, 210, 30, 270, 290, 300, 410, 510, 610, 710) for cooling or heating a beverage (12, 112, 244, 255, 295, 303, 314, 374, 422, 520, 622, 714) contains a refrigerant (22, 122, 212, 241, 252, 276, 334, 371, 632) and a refrigerant take up agent (18, 118, 222, 214, 277, 301, 335, 373, 418, 514, 614). The device (10, 110, 210, 30, 270, 290, 300, 410, 510, 610, 710) further includes operative means (26, 28, 126, 215, 242, 253, 271, 293, 294, 302, 370, 432, 528, 638, 726, 732) for allowing evaporation of the refrigerant (22, 122, 212, 241, 252, 276, 334, 371, 632). The take up agent (18, 118, 222, 214, 277, 301, 335, 373, 418, 514, 614) takes up the evaporated refrigerant (22, 122, 212, 241, 252, 276, 334, 371, 632) such that heat absorbed on evaporation of the refrigerant (22, 122, 212, 241, 252, 276, 334, 371, 632) is evolved at the take up agent (18, 118, 222, 214, 277, 301, 335, 373, 418, 514, 614) to enable heat to be transferred to or from a material (12, 112, 244, 255, 295, 303, 314, 374, 422, 520, 622, 714) to be heated or cooled. The take up agent (18, 118, 222, 214, 277, 301, 335, 373, 418, 514, 614) may be an absorbent or adsorbent.

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  F25B 17/08

IPC 8 full level
  F25D 5/00 (2006.01); **F25B 17/08** (2006.01); **F25D 7/00** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP)
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Citation (search report)
  See references of WO 9937958A1

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