

Title (en)

LATENT HEAT ACCUMULATOR MODULE, AIR-CONDITIONING DEVICE AND CONTROL METHOD THEREOF

Title (de)

LATENTWÄRMESPEICHERMODUL, KLIMATISIERUNGSEINRICHTUNG UND STEUERUNGSVERFAHREN DERSELBEN

Title (fr)

MODULE D'ACCUMULATION DE CHALEUR LATENTE, DISPOSITIF DE CLIMATISATION, AINSI QUE PROCÉDÉ DE COMMANDE POUR CELUI-CI

Publication

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Application

EP 11708986 A 20110225

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Abstract (en)

[origin: WO2011104031A2] The invention relates to latent heat accumulator modules (10) for the heat exchange with at least one fluid flow (L, W) flowing through the latent heat accumulator module (10). The latent heat accumulator module (10) comprises a plurality of bodies (1) around which fluid can flow and which are arranged in a housing (2); the housing (2) comprises at least one fluid inlet (3, 3') and a fluid outlet (4, 4') for the fluid flow (L). The bodies (1) are receptacles (6) filled with a paraffin or a paraffin mixture as phase exchange material (5). The bodies (1) further have a heat-conducting structure (5') which is arranged in the receptacle (6) and is in contact with the phase exchange material (5), wherein the heat-conducting structure (5) is made of a thermally conductive material. Further disclosed are an air-conditioning device (20) for a building (25), and an air-conditioning and/or hot water device (40), which use said latent heat accumulator module (10), as well as control methods suitable for the air-conditioning devices (20, 40).

IPC 8 full level

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Citation (search report)

See references of WO 2011104031A2

Citation (examination)

- EP 1746376 A2 20070124 - IMTECH DEUTSCHLAND GMBH & CO K [DE]
- CH 147554 A 19310615 - ESCHER WYSS MASCHF AG [CH]

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