

Title (en)

Heating and cooling system and pump therefor

Title (de)

Heizungs- und Kühlsystem und dafür vorgesehene Pumpe

Title (fr)

Système de chauffage et de refroidissement et pompe à cet effet

Publication

**EP 0709625 A2 19960501 (EN)**

Application

**EP 95307633 A 19951026**

Priority

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- GB 9425162 A 19941207

Abstract (en)

A system (2) for heating and/or cooling a plurality of separate locations in a building (4) comprising two heat-transfer circuits (6,7), each circuit (6,7) adapted to circulate a heat transfer medium from a heat source and/or a heat sink to a heat exchanger in each location, wherein the first heat-transfer circuit is able to supply the net cooling requirement of the heat exchangers and the second heat-transfer circuit is able to supply the net heating requirement of the heat exchangers during periods of conflicting requirements, and wherein both heat-transfer circuits (6,7) are able to supply the overall cooling requirement and the overall heating requirement of all the heat exchangers is described. Also described is a heat pump unit (28) comprising a circuit (30) containing a heat-transfer medium which connects two or more primary heat exchangers (31,32), each heat exchanger being able to exchange heat with an associated heat-transfer circuit, with one or more compressors (34) between the primary heat exchangers (31) and one or more secondary heat exchangers (32) adapted to alter if necessary the temperature of the heat-transfer medium in the circuit, suitable for use with the system for heating and/or cooling also described herein.

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IPC 8 full level

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