

Title (en)

A METHOD AND SYSTEM FOR REJECTING HEAT IN AN ABSORPTION CHILLER

Title (de)

VERFAHREN UND SYSTEM ZUM ABFÜHREN VON WÄRME IN EINEM ABSORPTIONSKÜHLER

Title (fr)

PROCÉDÉ ET SYSTÈME POUR REJETER LA CHALEUR DANS UN REFROIDISSEUR PAR ABSORPTION

Publication

EP 2156111 A1 20100224 (EN)

Application

EP 07755340 A 20070413

Priority

US 2007009033 W 20070413

Abstract (en)

[origin: WO2008127228A1] A method and system for rejecting heat from a hot water source (30) capable of being used for heating in a simultaneous heating and cooling absorption chiller (10) includes a bypass loop (80) configured in parallel with a heat exchanger (26) used to increase a temperature of hot water (30) passing through the heat exchanger (26). The bypass loop (80) is connected to an inlet (84) and an outlet (90) of the heat exchanger (26) and is configured to receive at least a portion of the hot water (30) flowing to the heat exchanger (26). The bypass loop (80) includes a radiator (100) positioned inside a portion of a cooling water loop (32), and the radiator (100) is configured to reject or transfer heat from the hot water (30) to cooling water in the cooling water loop (32). The system further includes a valve (82) for controlling a flow of hot water (30) through the bypass loop (80) as a function of a temperature of the hot water (30) at the outlet (90) of the heat exchanger (26).

IPC 8 full level

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Citation (search report)

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