

Title (en)

REVERSIBLE SYSTEM FOR RECOVERING THERMAL ENERGY BY SAMPLING AND TRANSFER OF CALORIES FROM ONE OR MORE MEDIA INTO ONE OR MORE OTHER SUCH MEDIA

Title (de)

REVERSIBLES SYSTEM ZUR RÜCKGEWINNUNG VON WÄRMEENERGIE DURCH ENTNAHME UND ÜBERTRAGUNG VON WÄRMEENERGIE VON EINEM ODER MEHREREN MEDIEN IN EIN ODER MEHRERE ANDERE SOLCHER MEDIEN

Title (fr)

SYSTÈME RÉVERSIBLE DE RÉCUPÉRATION D'ÉNERGIE CALORIFIQUE PAR PRÉLÈVEMENT ET TRANSFERT DE CALORIES D'UN OU PLUSIEURS MILIEUX DANS UN AUTRE OU PLUSIEURS AUTRES MILIEUX QUELCONQUES

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Application

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Abstract (en)

[origin: WO2009150234A1] The invention relates to a reversible system for recovering thermal energy by the sampling and transfer of calories from one or more media into one or more other such media. The innovation is a novel principle of refrigeration operation enabling the following operations to be carried out with a non-reversible plate heat exchanger, a reversible plate heat exchanger, and a finned battery on an outer air circuit: the total or partial return of calories onto the non-reversible heat exchanger from the outer battery or from the reversible heat exchanger in evaporation mode; the total or partial return of calories onto the reversible heat exchanger from the outer battery; refrigeration production onto the reversible heat exchanger with the total or partial discharge of calories onto the non-reversible heat exchanger and/or the outer battery.

IPC 8 full level

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