

Title (en)

Plant and process for producing cold and for producing hot water to be supplied to one or more thermal users

Title (de)

Anlage und Verfahren zur Herstellung von kaltem und heißem Wasser, das an einen oder mehrere Wärmebenutzer geliefert wird

Title (fr)

Installation et procédé de production d'eau chaude et froide devant alimenter un ou plusieurs utilisateurs thermiques

Publication

EP 2211125 A1 20100728 (EN)

Application

EP 09425020 A 20090127

Priority

EP 09425020 A 20090127

Abstract (en)

The invention refers to a thermodynamic process for producing cold for refrigerating users and for producing hot water for thermal users. The thermodynamic cycles for producing cold provides for transferring heat to the water that is collected in a tank to be selectively supplied to one or more thermal users, when necessary based upon the season and the environmental conditions. The heating of the water thus exploits a part of the heat produced by the thermodynamic cycles and that would in any case be lost into the atmosphere. In this way the efficiency is maximised. The invention also refers to a thermal plant operating according to the aforementioned process, in which the thermodynamic cycles and the circuit for supplying the hot water to the thermal users are configured in cascade.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

EP 08425703 A 20081031

Citation (search report)

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Citation (examination)

GB 2062831 A 19810528 - INDAIR LTD

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