Title (en)

METHOD FOR MINIMISING ENERGY CONSUMPTION OF A STORAGE WATER HEATER

Title (de)

VERFAHREN ZUR MINIMIERUNG DES ENERGIEVERBRAUCHS EINES HEISSWASSERSPEICHERS

Title (fr)

MÉTHODE POUR MINIMISER LA CONSOMMATION D'ÉNERGIE D'UN CHAUFFE-EAU À ACCUMULATION

Publication

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Application

EP 09774713 A 20091117

Priority

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Abstract (en)

[origin: WO2010061268A2] Method for managing a storage water heater (1) aimed at reducing thermal dispersions, characterised in that at short time intervals (dw), all the w drawings (Pl,..., Pi,..., Pw) are taken into account, the drawing start time (ti) whereof falls within a predetermined time window (?tw) immediately following the current time; at said drawing start times (ti) comprised in said time window (?tw), as many fictitious drawings (P' 1,..., P'i,..., P'w) are constructed, each having a fictitious drawing start temperature (T'set.i); for each of said fictitious drawings (P' I,..., P'i,..., P'w), the fictitious heating start time (t'ONi) is calculated; upon reaching the earliest of said heating start times (t'ONi), the target temperature (Ttarget) is set to the fictitious drawing start temperature value (T'set.i) of the corresponding fictitious drawing (P'i) provided that it is not higher than the maximum setup temperature (Tset.max) whereas before said earliest heating start time (t'ONi) is reached, the target temperature (Ttarget) is kept equal to the maintenance temperature (Tstand-by). The method keeps the temperature to the minimum values required to ensure the drawings.

IPC 8 full level

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