

Title (en)

LAUNDRY DRYER HAVING A CONDENSING APPARATUS AND CONTROL METHOD FOR SAID CONDENSING APPARATUS

Title (de)

WÄSCHETROCKNER MIT EINER KONDENSATIONSEINHEIT UND STEUERVERFAHREN FÜR DIE KONDENSATIONSEINHEIT

Title (fr)

SÈCHE-LINGE AVEC UNE UNITÉ DE CONDENSATION ET PROCÉDÉ DE COMMANDE POUR CETTE UNITÉ DE CONDENSATION

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3124686A1] The present invention discloses a control method for a condensing apparatus (7) of a laundry dryer (1), wherein the laundry dryer (1) comprises a drying drum (6) and a condensing apparatus (7), wherein the condensing apparatus (7) has an air channel (9), a water supply apparatus (20) connected to the air channel (9), and a fan (11) for forcing wet hot air to pass through the air channel (9); and a control apparatus (100) for controlling running of the fan (11). The control method comprises: Supplying, by the water supply apparatus (20), water to the air channel (9), and setting, by the control apparatus (100), a first parameter and a second parameter to control the running of the fan (11), wherein the first parameter is set to controlling a lifting force that is generated when the fan (11) drives an airflow to move upward, so that most of the water remains in the air channel (9), and the second parameter is set to controlling the fan (11) to reduce a rotational speed, to reduce the lifting force that is generated when the airflow is driven to move upward, so that most of the water is discharged from the air channel (9). The invention also discloses a laundry dryer (1) implementing such method. By means of the invention it is ensured that cooling water is efficiently used, so that water resource is saved. Moreover, noise of a machine is also reduced because of reduction of an average air volume of a fan (11).

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