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(54) **PROCESS AND SYSTEM FOR RECOVERY OF THERMAL ENERGY FROM A STEAM DRYER**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention concerns a method for the recovery of thermal energy from a steam dryer 2 with a closed circulation 2.1 that produces excess steam SS characterized in that the excess steam SS is condensed to an unclean condensate UC in a steam regeneration unit 3 and in that thermal energy in the unclean condensate UC is recovered by being transferred to a district heating medium HW in a heat exchanger 4 for district heating. The invention concerns also a system for the recovery of thermal energy from a steam dryer 2 with a closed circulation 2.1.

15 Claims, 2 Drawing Sheets

