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根据细则 4.17 的声明:

- 关于申请人有权申请并被授予专利(细则 4.17(ii))

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(54) Title: SYSTEM FOR RECOVERING WASTE HEAT FROM FLUE GAS

(54) 发明名称: 烟气余热回收系统

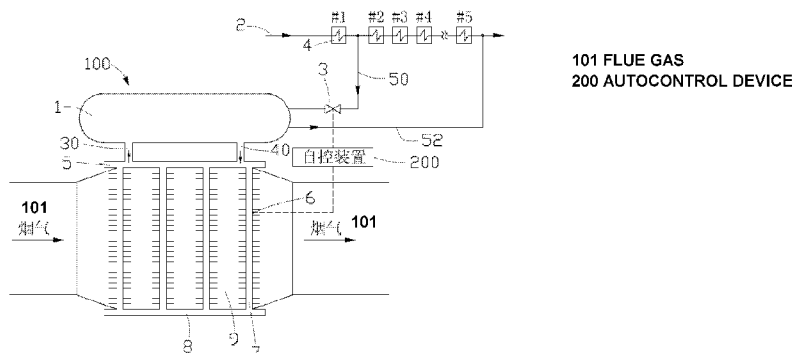


图 1 / Fig. 1

(57) Abstract: A system for recovering waste heat from flue gas includes a phase change heat exchanger (100), which includes a phase change upper section (1) and a phase change lower section (9) communicated with the phase change upper section (1), and an autocontrol device (200) mounted on the phase change heat exchanger (100). The phase change upper section (1) is connected to a main condensate pipeline (2) in a low pressure regenerative heating system. The phase change lower section (9) is provided in a flue gas passageway. The flow of the condensate in the low pressure regenerative heating system to enter the phase change upper section (1) is controlled by the autocontrol device (200) according to a signal received from a wall temperature tester (6) which is installed on the phase change lower section (9). The condensate is heated after entering into the phase change upper section (1), and the heated condensate enters into the main condensate pipeline (2) once more. The system can save energy and efficiently heat condensate by utilizing waste heat from flue gas.

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