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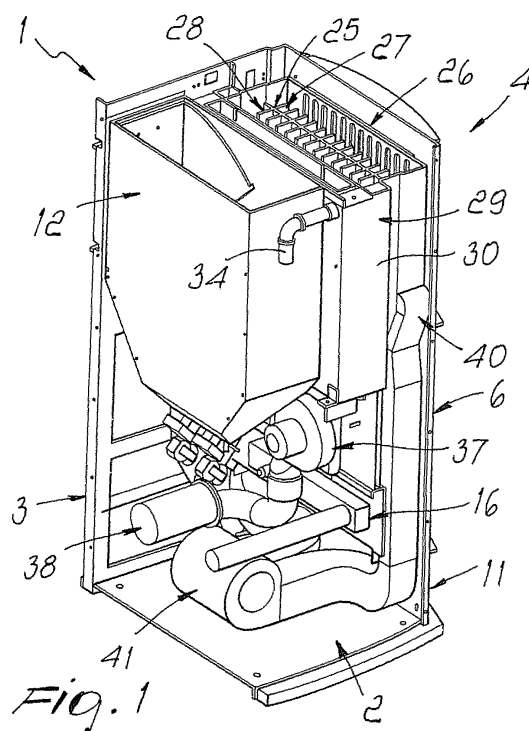
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(54) **Pellet boiler with high energy recovery**

(57) A pellet boiler (1), comprising a combustion chamber (7) which is delimited at the rear by a first wall (8) and at the front by a second wall (9) and contains in a lower region a hearth (17), which is provided with means (18) for feeding secondary combustion-supporting air from outside into the combustion chamber (7), which comprise an interspace (23) arranged above the hearth and adjacent to the first wall. A heat exchanger (29) is also present and is arranged above and to the rear of the combustion chamber for the recovery of the combustion gases and for a heat transfer medium, to the rear of which a hopper (12) for the pellets is arranged adjacent, the hopper being provided in a lower region with means for feeding the hearth and, in an upper region, with a lid which can be removed and opened laterally. Means for the forced input of heated air into the environment are provided.



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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 19 March 2008	Examiner Mougey, Maurice
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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