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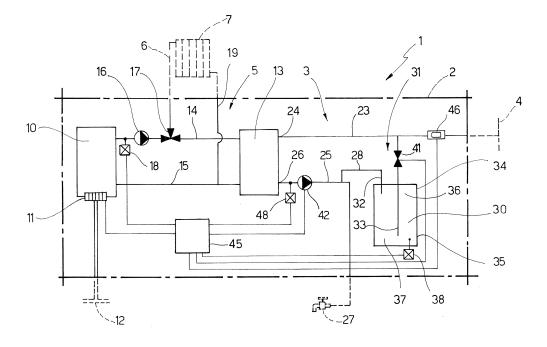
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(54) Mixed boiler

(57) A boiler (1) for producing hot water, in particular a combination boiler for producing heating water and domestic water, has a domestic circuit (3) in which domestic water circulates; a heat exchanger (13) located along the

domestic circuit (3) to transfer heat from a heating fluid to the domestic water; and at least one storage tank (30) connected to the domestic circuit (3); on-off means (31) are provided for selectively and alternatively activating or cutting off domestic water flow through the tank (30).





EUROPEAN SEARCH REPORT

Application Number EP 05 10 0560

	DOCUMENTS CONSIDE	RED TO BE RELEVANT			
Category	Citation of document with inc of relevant passag		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
Х	FR 2 551 187 A (LAU 1 March 1985 (1985- * page 3, line 20 - figures *	93-01)	1-7	F24D19/10	
A	GMBH & CO. KG, 8950 SANDLER ENE) 19 September 1991 (1		
A	US 2 204 708 A (SMI 18 June 1940 (1940- * page 2, left-hand 54; figure 1 *		1		
				TECHNICAL FIELDS SEARCHED (IPC)	
				F24D	
	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
	The Hague	22 December 2005	Van	Gheel, J	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earlier patent door after the filling date er D : dooument cited in L : dooument cited fo	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons		
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 05 10 0560

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-12-2005

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
FR 2551187	Α	01-03-1985	NONE		
DE 4035115	A1	19-09-1991	AT AT CH	409417 B 54391 A 683456 A5	26-08-200 15-03-199 15-03-199
US 2204708	Α	18-06-1940	NONE		

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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