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(54) **Cleaning device for pellet-fired heaters**

(57) A pellet-fired stove or boiler with manual refuelling and with a mechanical device for clean-scraping of ash-coated convection ducts and for improving the heat

transfer, and where the cleaning device is activated on opening and closing of the hatch for pellets refuelling.

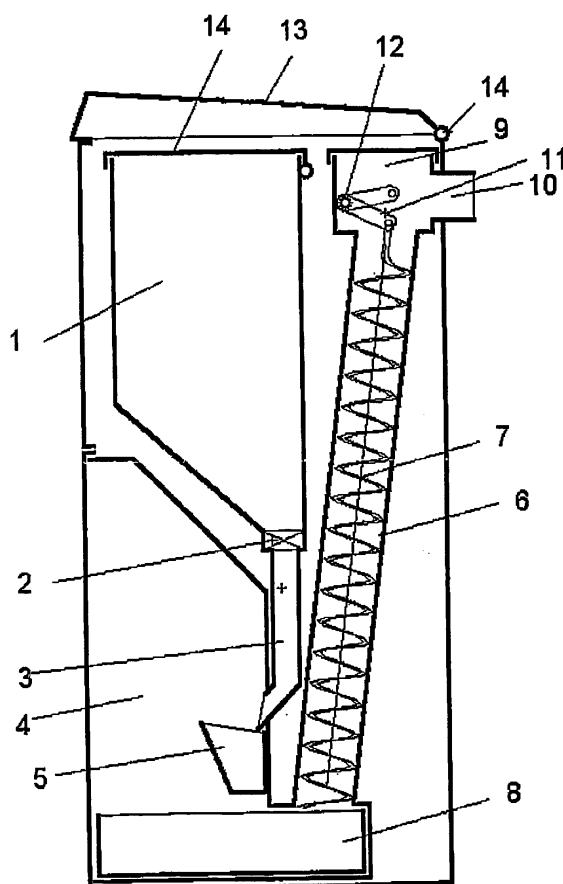


Fig 1



EUROPEAN SEARCH REPORT

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EP 10 00 0912

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 962 033 A1 (VIESSMANN WERKE KG [DE]) 27 August 2008 (2008-08-27) * abstract; figures *	1-9	INV. F23J3/02 F24H9/00 F28G1/06 F28G15/04 F24B1/08 F24B13/00
A	WO 2008/022412 A1 (PARVANOV SEVEREL PASKOV [BG]) 28 February 2008 (2008-02-28) * abstract; figures *	1-9	
A	US 2 914 039 A (HERBERT SMITH WILLIAM) 24 November 1959 (1959-11-24) * abstract; figures *	1-9	
A	US 1 943 622 A (PIATT HOWARD I) 16 January 1934 (1934-01-16) * abstract; figures *	1-9	
A	FR 1 248 787 A (SCHMIDT SCHE HEISSDAMPF [DE]) 23 December 1960 (1960-12-23) * abstract; figures *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			F23J F24H F24B F28F F28G F24D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 September 2017	Examiner Fernandez Ambres, A
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 O : non-written disclosure P : intermediate document 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 & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 00 0912

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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
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20-09-2017

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1962033 A1	27-08-2008	DE 102007009426 A1	28-08-2008
		DE 202008017866 U1	16-09-2010
		EP 1962033 A1	27-08-2008

WO 2008022412 A1	28-02-2008	BG 66233 B1	31-07-2012
		EP 2054675 A1	06-05-2009
		WO 2008022412 A1	28-02-2008

US 2914039 A	24-11-1959	NONE	

US 1943622 A	16-01-1934	NONE	

FR 1248787 A	23-12-1960	NONE	

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