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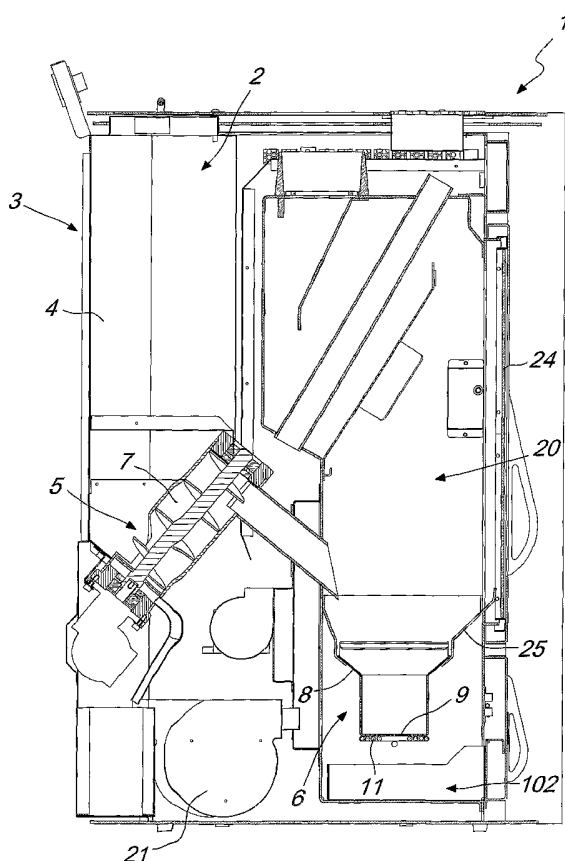
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[Continued on next page]

(54) Title: BURNER, PARTICULARLY FOR SOLID FUELS



(57) Abstract: A burner particularly for solid fuels, comprising a combustion firebox which forms a containment seat (4) for the fuel to be burned and means (5) for feeding the fuel to the containment seat. The combustion firebox (6) comprises at least one containment body, which forms in a downward region a discharge outlet which is closed at least partially by a closure portion provided on a closure element; the closure element can move along at least one movement direction in order to move at least part of a discharge portion arranged upstream of the closure portion along the movement direction into a position for closing the discharge outlet and move at least part of the closure portion outside the seat.



RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
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INTERNATIONAL SEARCH REPORT

International application No

PCT/IT2005/000572

A. CLASSIFICATION OF SUBJECT MATTER

INV. F23B1/28 F23B1/38 F23G7/10 F23K3/14 F23H15/00
F23G5/08 F23L5/02 F23J3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F23B F23G F23K F23H F23L F23J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 582 117 A (MENDIVE ET AL) 10 December 1996 (1996-12-10) column 2, line 27 - column 4, line 43; figures 1-6	1,3-5, 8-10
P,X	----- EP 1 498 657 A (PERGE) 19 January 2005 (2005-01-19) column 3, line 42 - column 4, line 50 column 5, line 17 - line 34 figure 1	1,3-5, 7-10
A	----- EP 0 915 289 A (PYRO INDUSTRIES, INC) 12 May 1999 (1999-05-12) column 4, line 51 - column 5, line 27 figures 1,5 ----- -/--	1

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search

23 January 2006

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IT2005/000572

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/15833 A (HETA A/S; LAURITSEN, ERIK) 1 April 1999 (1999-04-01) page 4, line 22 - page 6, line 25 figures 1-3 -----	1
A	US 5 243 963 A (RIENER ET AL) 14 September 1993 (1993-09-14) column 7, line 4 - column 9, line 30 figures 1-4 -----	1
A	US 5 297 493 A (NUESMEYER ET AL) 29 March 1994 (1994-03-29) column 2, line 17 - column 3, line 29 column 3, line 63 - column 4, line 49 figures 1-5 -----	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IT2005/000572

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-11

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Solid fuel burner provided with ash discharge means.

2. claims: 12-16,18-23

Solid fuel burner provided with heating means arranged in the combustion firebox.

3. claim: 17

Solid fuel burner provided with forced ventilation means.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IT2005/000572

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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