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F23D 2900/31022**

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NO PL PT RO RS SE SI SK SM TR**
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(54) **BIOFUEL HEATING APPARATUS AND DEVICE FOR SAME**

(57) The invention provides an apparatus for burning liquid fuel comprising; a fuel tank, at least one pump in fluidic communication with the fuel tank, a platform, and at least one burner mounted to the platform at an inclined angle. The burner comprising a channel in fluidic communication with the pump. The channel having a base and opposed side walls comprising one or more openings. A fuel inlet is provided at an upper end of the channel and an igniter is provided proximate a lower end of the channel. A fuel flow retarder is provided in the channel for controlling the rate of descent of fuel down the channel.

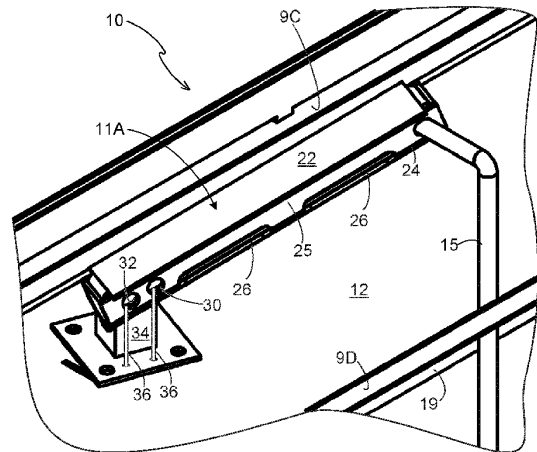


FIG. 1B

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 23 17 3256

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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 3 309 454 A1 (PRODUKTIDE AS [NO]) 18 April 2018 (2018-04-18) * paragraph [0008] - paragraph [0025]; figures 1-4 *	1-14	INV. F23D5/12 F23D11/44
A	WO 2012/000562 A1 (SCHWOERERHAUS KG [DE]; SCHWOERER JOHANNES [DE]; SCHWOERER ROMAN [DE]) 5 January 2012 (2012-01-05) * paragraph [0075] - paragraph [0116]; figures 1-7 *	1-14	
A	CN 202 171 283 U (NINGBO LICHEN ELECTRICAL APPLIANCES CO LTD) 21 March 2012 (2012-03-21) * the whole document *	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			F23D
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search:			
see sheet C			
Place of search		Date of completion of the search	Examiner
Munich		19 January 2024	Theis, Gilbert
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention	
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
Y : particularly relevant if combined with another document of the same category		D : document cited in the application	
A : technological background		L : document cited for other reasons	
O : non-written disclosure		
P : intermediate document		& : member of the same patent family, corresponding document	

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INCOMPLETE SEARCH
SHEET C

Application Number
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Claim(s) completely searchable:
1-14

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Claim(s) not searched:
15-21

Reason for the limitation of the search:

15

The search has been restricted to the subject-matter indicated by the applicant in his letter of 19.12.2023 filed online in reply to the invitation pursuant to Rule 62a(1) EPC. Hence, the search report has been drawn up on the basis of claims 1 to 14.

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

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5 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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19-01-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 3309454	A1	18-04-2018	NONE
WO 2012000562	A1	05-01-2012	NONE
CN 202171283	U	21-03-2012	NONE

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