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(54) PORTABLE FIREPLACE

(57) A portable fireplace (150) for burning combustible fuel includes an outer wall (120) defining a lower portion and a tower portion (160) , an inner wall (140) separated from the outer wall by an air gap and defining a combustion chamber (190) within the lower portion and a chimney (165) within the tower portion. The portable fireplace also includes a fireplace aperture (180) through the outer wall and inner wall, a mantel (170) below the fireplace aperture and projecting outward from the outer wall, a number of inlet ventilation holes (122) in the outer wall, and a number of outlet ventilation holes (124) in the inner wall within the combustion chamber.

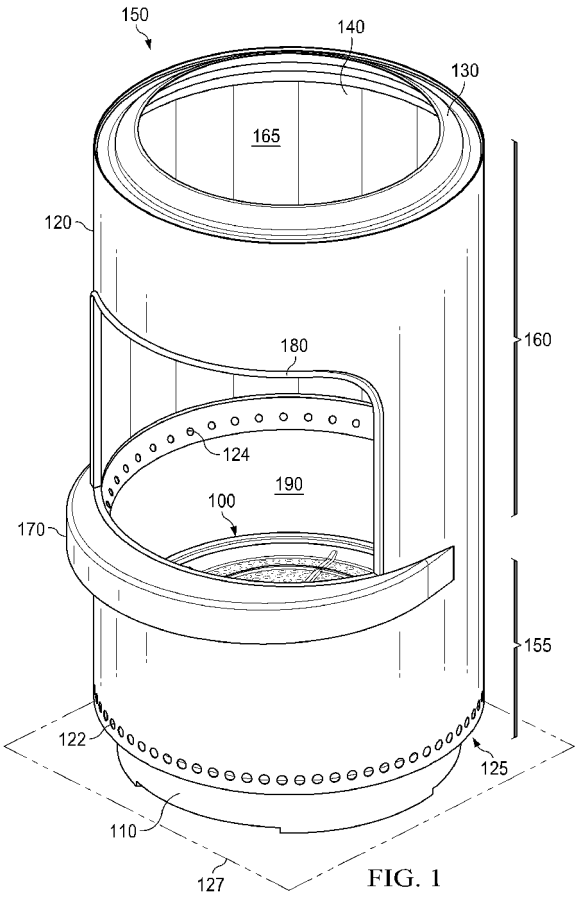


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 24 20 0243

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2022/169543 A1 (SOLO BRANDS LLC [US]) 11 August 2022 (2022-08-11) * page 7, lines 3-8; figure 1 *	1-8	INV. F24B1/181 F24B5/02
Y	US 4 167 177 A (WIGINS WILLIAM H) 11 September 1979 (1979-09-11) * figure 8 *	1-8	
Y	CN 219 147 367 U (SOLO BRANDS LLC) 9 June 2023 (2023-06-09) * figure 1 *	3	

TECHNICAL FIELDS SEARCHED (IPC)
F24B

~~The present search report has been drawn up for all claims~~

Place of search	Date of completion of the search	Examiner
The Hague	15 January 2025	Adant, Vincent

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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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-8

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

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LACK OF UNITY OF INVENTION
SHEET B

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-8

   Fireplace with outlet ventilation holes below the aperture

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2. claims: 9-11

   Fireplace with chimney and first and second outlet ventilation holes

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3. claims: 12-15

   with open top and first and second outlet ventilation holes

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 24 20 0243

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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15-01-2025

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2022169543 A1	11-08-2022	AU 2022217111 A1	21-09-2023
		CA 3207563 A1	11-08-2022
		CL 2023002304 A1	26-01-2024
		CN 114877379 A	09-08-2022
		CN 216953141 U	12-07-2022
		EP 4288698 A1	13-12-2023
		JP 2024505668 A	07-02-2024
		US 11391465 B1	19-07-2022
		US 11953207 B1	09-04-2024
		US 2022252269 A1	11-08-2022
		US 2024280266 A1	22-08-2024
		US 2025052426 A1	13-02-2025
		WO 2022169543 A1	11-08-2022
US 4167177 A	11-09-1979	NONE	
CN 219147367 U	09-06-2023	AU 2023324188 A1	13-02-2025
		CN 117617770 A	01-03-2024
		CN 219147367 U	09-06-2023
		US 2024053019 A1	15-02-2024
		US 2024053020 A1	15-02-2024
		US 2024151398 A1	09-05-2024
		US 2025067440 A1	27-02-2025
		WO 2024036215 A1	15-02-2024

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