



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**19.06.2024 Bulletin 2024/25**

(51) International Patent Classification (IPC):  
**F23D 14/22** <sup>(2006.01)</sup> **F23D 17/00** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**08.05.2024 Bulletin 2024/19**

(52) Cooperative Patent Classification (CPC):  
**F23D 14/22; F23D 17/002; F23D 2204/10**

(21) Application number: **24159966.1**

(22) Date of filing: **18.10.2022**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA**  
Designated Validation States:  
**KH MA MD TN**

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(30) Priority: **13.09.2022 IT 202200018690**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:  
**22818887.6 / 4 359 701**

(54) **END APPARATUS COMPRISING A PROGRESSIVE COMBUSTION HEAD FOR LOW NOX EMISSIONS AND BURNER COMPRISING THIS END APPARATUS**

(57) An end apparatus (1) for a burner configured to generate a flame, comprising a supply conduit (5) for supplying a comburent and a combustion head (2) at least partially inserted into the supply conduit (5) so as to define a passage gap (9) between the combustion head (2) and the supply conduit (5) for a flow of comburent (C). In particular, the combustion head (2) comprises a

plurality of outer openings (11), arranged outside the passage gap (9), configured to emit a first flow of fuel (F1) outside the flow of comburent and a plurality of inner openings (12) arranged at and/or inside the passage gap (9) adapted to introduce a second flow of fuel (F2', F2'') inside the flow of a comburent.

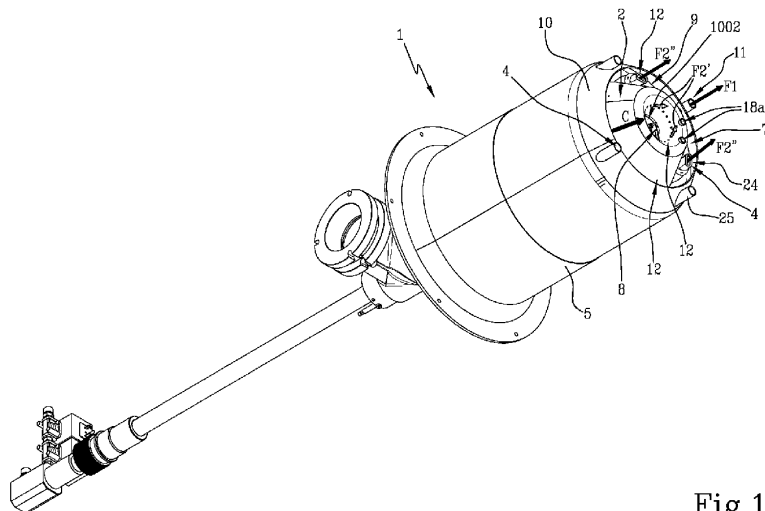


Fig.1



## EUROPEAN SEARCH REPORT

Application Number

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|  |  |   | F23D                                    |
| The present search report has been drawn up for all claims   |  |   |   |
| Place of search<br><b>Munich</b>   |  | Date of completion of the search<br><b>3 May 2024</b>   | Examiner<br><b>Theis, Gilbert</b>       |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |   |

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