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**(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.

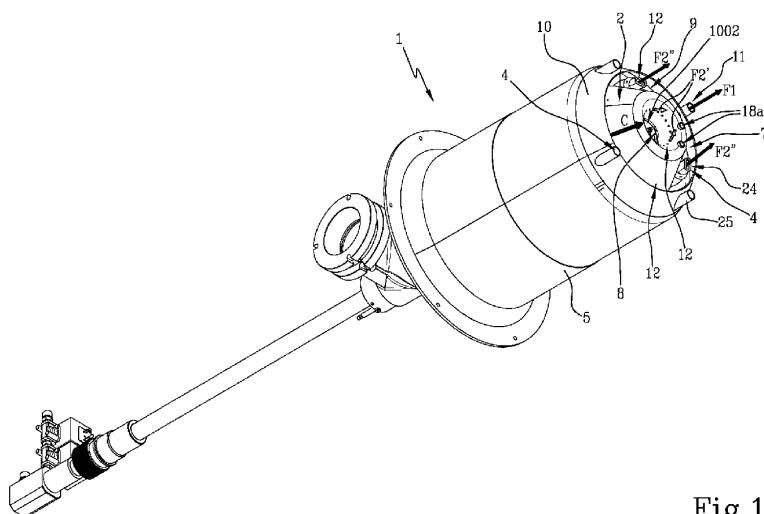


Fig.1



## EUROPEAN SEARCH REPORT

Application Number

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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20	<p><b>A</b> US 2020/386401 A1 (BRAIG FRANK [DE] ET AL) 10 December 2020 (2020-12-10) * the whole document *</p> <p>-----</p>	1-23	
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30			TECHNICAL FIELDS SEARCHED (IPC)
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50	<p><b>1</b> The present search report has been drawn up for all claims</p>		
55	<p>Place of search <b>Munich</b></p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p>	<p>Date of completion of the search <b>3 May 2024</b></p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>	<p>Examiner <b>Theis, Gilbert</b></p>

ANNEX TO THE EUROPEAN SEARCH REPORT  
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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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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