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(54) **A dual inlet extract fan assembly**

(57) An extract fan assembly (10) comprises a fan and fan housing (12). The fan housing (12) comprises a plurality of walls defining an enclosure for containing the fan having an inlet opening (14) at one end. A cover plate (18) is positioned to cover the inlet opening (14) and fixed relative to the housing (12) in a spaced location from the inlet opening (14). A first air inlet is defined by the space between the cover plate and the housing. A first airflow pathway extends between the first air inlet and the fan housing (12) via the inlet opening (14). The fan assembly (10) includes a second auxiliary inlet (28) and a second airflow pathway extending between the second air inlet and the fan housing (12) that allows the spacing between the cover plate (18) and the housing (12) to be reduced while maintaining the same inlet airflow.

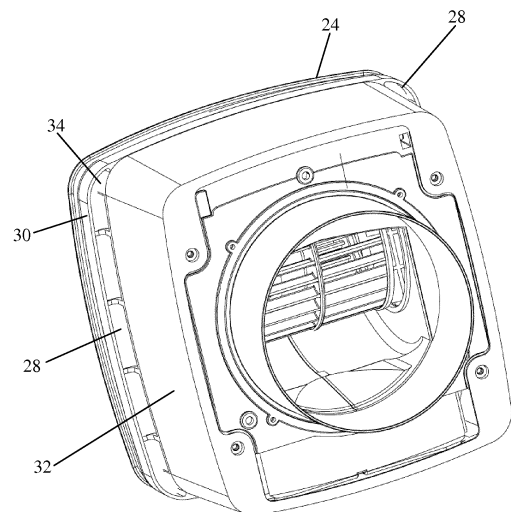


FIG. 4



EUROPEAN SEARCH REPORT

Application Number
EP 14 15 7921

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 October 2014	Examiner de Verbigier, L
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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