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(54) **MODULAR ELEMENT FOR AIR CURTAINS AND MANUFACTURING METHOD THEREOF**

(57) A modular element (1) for dynamic air curtain barriers (2), said modular element (1) comprising: a supporting frame (3) having a lateral wall (4) internally defining a housing compartment (5) and comprising a lateral through opening (8) substantially extending along a prevalent direction (D) of extension of the frame itself, a channel (9) engaged with the supporting frame (3) and configured to receive an air flow from the ventilating device (12) and channel it along a direction (S) of ejection out of said housing compartment (5) through the lateral opening (8). The channel (9) having a first and a second longitudinal channelling wall (10, 11) extending prevalently inside the housing compartment (5) along the prevalent direction (D) of extension of the frame (3); each channelling wall (10, 11) has an inlet portion (10a, 11a) located inside the housing compartment (5) and an outlet portion (10b, 11b) located outside the housing compartment (5). The inlet portions (10a, 11a) of the channelling walls (10, 11) define a lateral inlet opening (15), whilst the respective outlet portions (10b, 11b) of the channelling walls (10, 11) define an outlet opening (25) configured to direct the air flow along an ejection direction (S); the channelling walls (10, 11) define, in cooperation with each other, a duct (22) for the air flow extending between the inlet opening (15) and the outlet opening (25).

FIG.1

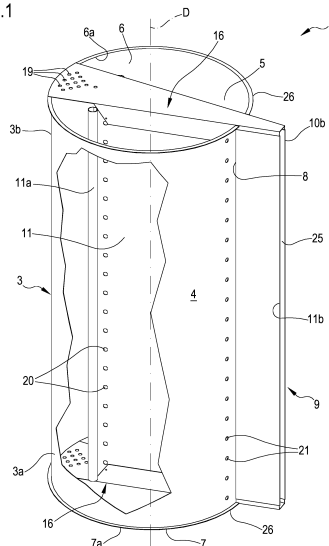


FIG.2

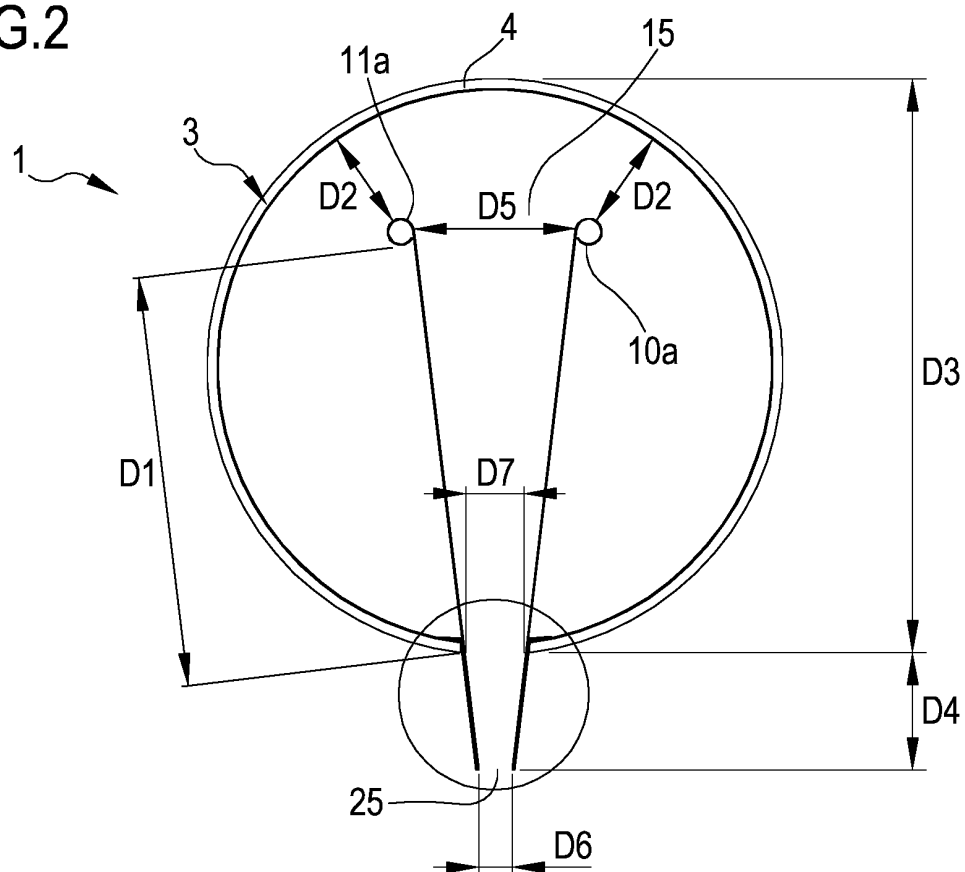
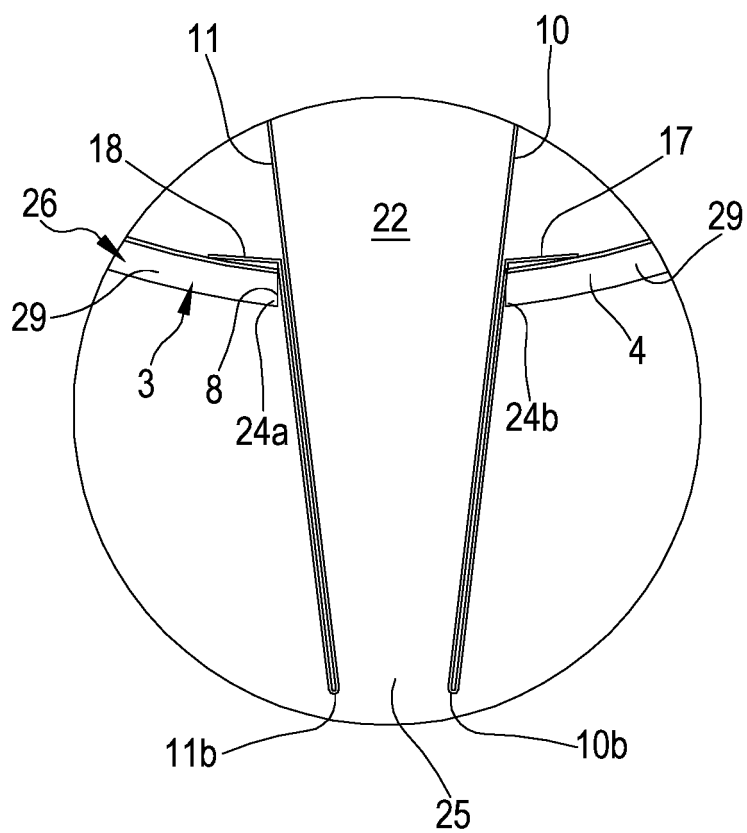


FIG.3





## EUROPEAN SEARCH REPORT

Application Number  
EP 15 18 3590

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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)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24F
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>15 February 2016</b>	Examiner <b>Valenza, Davide</b>
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  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 18 3590

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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15-02-2016

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