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(54) METHOD FOR MAKING A CONCEALED VENT FOR VENTILATION, HEATING OR CONDITIONING SYSTEMS, AND VENT ASSEMBLY FOR CARRYING OUT SUCH METHOD

(57) The method according to the invention, for making a concealed vent for ventilation, heating or air conditioning systems, comprises the following operations: A) providing a ventilation conduit (15) for introducing or drawing air in an environment (A) to be ventilated, heated or cooled; the ventilation conduit (15) is concealed in a wall (P) which delimits the environment (A) and opens outside of it through a wall opening (7); B) providing a diffusor panel (9) located in front of the wall opening (7) so as to conceal it allowing the air coming from the ventilation conduit (15) to come out from the opening (7) and be introduced in the environment (A); the perimeter of the diffusor panel (9) ideally contains the outer parameter of the wall opening (7), and at least the perimeter edges of the diffusor panel (9) project from the surface of the wall (P) which delimits the environment (A) for a maximum distance (D) comprised between 0.1 centimetres and ten centimetres.

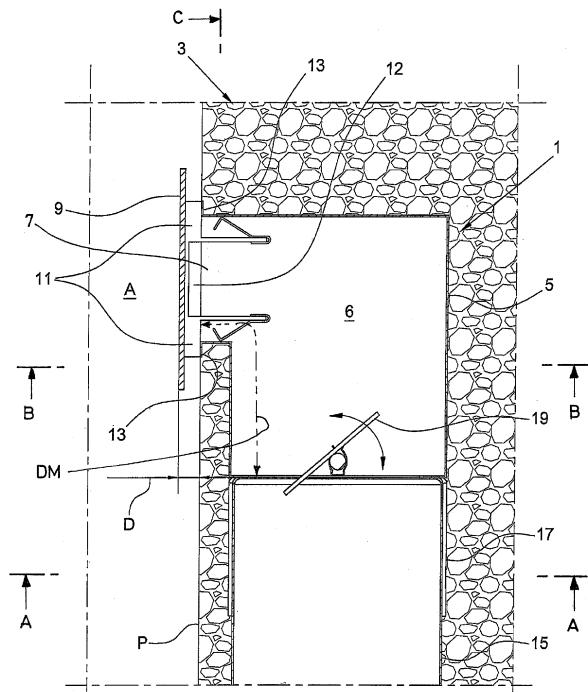


Fig. 1





EUROPEAN SEARCH REPORT

Application Number
EP 15 42 5063

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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)
X	DE 657 657 C (MASCH UND FILTERBAU G M B H) 9 March 1938 (1938-03-09)	1-5, 8-11,13, 14	INV. E04B9/02 F24F13/06
Y	* the whole document *	6	F24F13/072
A	-----	7,12	F24F7/04
Y	US 2011/081853 A1 (ROEBUCK RODNEY A [US]) 7 April 2011 (2011-04-07) * paragraphs [0032] - [0046]; figures 1-8 *	6	
X	US 2 796 821 A (WALPOLE HARRY J) 25 June 1957 (1957-06-25)	1-5	
Y	* columns 2-3; figures 1-2 *	6	
X	GB 647 816 A (NORVENT LTD) 20 December 1950 (1950-12-20) * page 3; figures 1-3 *	1,8	
X	US 4 693 174 A (ANDERSON PHILIP K [US]) 15 September 1987 (1987-09-15) * columns 4-6; figures 1-6 *	1,8	TECHNICAL FIELDS SEARCHED (IPC)
	-----		E04B F24F
The present search report has been drawn up for all claims			
3	Place of search Munich	Date of completion of the search 7 November 2016	Examiner Blot, Pierre-Edouard
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.

10 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):

15 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.

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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:

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see sheet B

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

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

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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:

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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:

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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:

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1. claims: 1-7

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Claims 1-7 relate to a method for making a concealed vent for ventilation, heating or air conditioning systems, comprising the steps of:

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-providing a ventilation conduit for introducing or drawing air in an environment to be ventilated, heated or cooled, where the ventilation conduit is concealed inside a wall which delimits the environment and exits outside the same through a wall opening;
 -providing a diffusor panel located in front of the wall opening so as to conceal it allowing the air coming from the ventilation conduit to exit from the wall opening and be introduced in the environment, where the perimeter of the diffusor panel ideally contains the outer parameter of the wall opening, and at least the perimeter edges of the diffusor panel project from the surface of the wall which delimits the environment by a maximum distance comprised between 0,1 centimetres and ten centimetres (inventive concept).

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2. claims: 8-14

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II. Claims 8-14 relate to a vent assembly for obtaining the method according to claim 1, wherein the vent assembly comprises an air casing in turn comprising: a box-shaped body in which the wall opening is obtained; a diffusor panel; and one or more fixing brackets or spacers arranged for fixing the diffusor panel to the box-shaped body maintaining it in front of the wall opening and at a maximum distance from the edges of such opening comprised between 0.1-1.2 centimetres (inventive concept).

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 42 5063

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.

07-11-2016

10	Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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