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(54) **An air inlet diffuser device, and a system including a building ceiling having one or more air inlet diffuser devices**

(57) The invention relates to an air inlet diffuser device (1) comprising a) an outer cylindrical tubular part (5) having an inside surface (5') and an upper free edge (8)

and b) an inner elongated air guiding part (20) which is symmetrical about an axis of rotation (25).

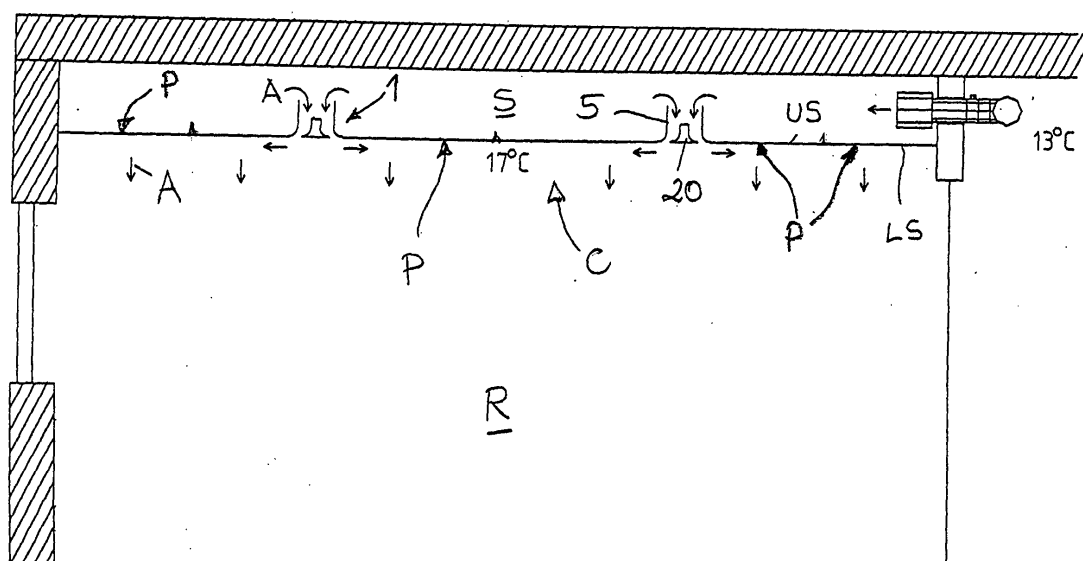


Fig. 1



EUROPEAN SEARCH REPORT

Application Number

EP 12 16 0315

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	US 2 190 937 A (CHARLES DEMUTH) 20 February 1940 (1940-02-20)	1-5	INV. F24F13/068
Y	* page 2, column 1, line 10 - column 2,	6,7,9-11	F24F13/062
A	line 26; figures 4,5 *	8	F24F13/02 F24F13/06
X	WO 02/35157 A1 (LINDINVENT AB [SE]; LINDBORG HERMAN [SE]) 2 May 2002 (2002-05-02)	1-5	
Y	* the whole document *	6,7,9-11	
A		8	
X	US 2004/061087 A1 (LINDBORG HERMAN [SE]) 1 April 2004 (2004-04-01)	1-5	
Y	* the whole document *	6,7,9-11	
A		8	
X	DE 21 05 077 A1 (HERBST D) 10 August 1972 (1972-08-10)	1-5	
Y	* the whole document *	6,7,9-11	
A		8	
X	WO 84/01615 A1 (STAEHR TURBOVENT [DK]) 26 April 1984 (1984-04-26)	1-5	TECHNICAL FIELDS SEARCHED (IPC)
Y	* the whole document *	6,7,9-11	F24F
A		8	F16K
Y,D	WO 98/51978 A2 (WORK SMART ENERGY ENTPR INC [US]; KOPKO WILLIAM L [US]) 19 November 1998 (1998-11-19)	6,7,9-11	
A	* the whole document *	8	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 June 2014	Examiner Valenza, Davide
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	

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

EP 12 16 0315

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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17-06-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2190937 A	20-02-1940	NONE	
WO 0235157 A1	02-05-2002	AT 317533 T	15-02-2006
		AT 329210 T	15-06-2006
		AU 1288202 A	06-05-2002
		AU 1288302 A	06-05-2002
		CA 2427042 A1	02-05-2002
		DE 60117162 T2	19-10-2006
		DE 60120457 T2	12-10-2006
		DK 1334317 T3	14-08-2006
		EP 1334316 A1	13-08-2003
		EP 1334317 A1	13-08-2003
		WO 0235156 A1	02-05-2002
		WO 0235157 A1	02-05-2002
US 2004061087 A1	01-04-2004	NONE	
DE 2105077 A1	10-08-1972	NONE	
WO 8401615 A1	26-04-1984	DE 3390306 T1	10-01-1985
		DK 457382 A	16-04-1984
		WO 8401615 A1	26-04-1984
WO 9851978 A2	19-11-1998	AT 291208 T	15-04-2005
		AU 730254 B2	01-03-2001
		AU 7389898 A	08-12-1998
		BR 9809832 A	20-06-2000
		CA 2288050 A1	19-11-1998
		CN 1255193 A	31-05-2000
		DE 69829387 D1	21-04-2005
		DE 69829387 T2	13-04-2006
		EP 1009961 A2	21-06-2000
		ES 2239391 T3	16-09-2005
		PT 1009961 E	31-05-2005
		US 6185943 B1	13-02-2001
		WO 9851978 A2	19-11-1998