

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 794 386 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.01.1999 Bulletin 1999/03

(51) Int Cl. 6: F23L 13/02, F24F 13/14

(43) Date of publication A2:
10.09.1997 Bulletin 1997/37

(21) Application number: 97660020.5

(22) Date of filing: 04.03.1997

(84) Designated Contracting States:
DE ES FR GB SE

(72) Inventor: JUNKKARINEN, Pekka
41330 Vihtavuori (FI)

(30) Priority: 04.03.1996 FI 960141 U

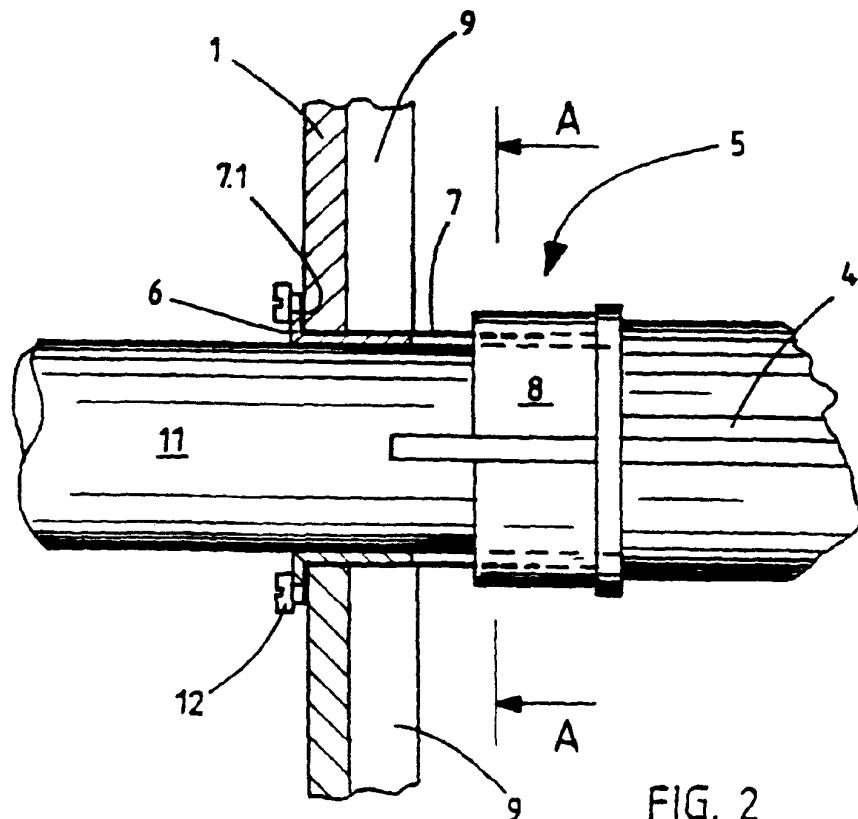
(74) Representative: HELKE, Kimmo Kalervo
Kespat Oy,
P.O. Box 601
40101 Jyväskylä (FI)

(71) Applicant: SAMMET DAMPERS OY
41310 Leppävesi (FI)

(54) A damper for gases

(57) The object of the invention is a damper for gases, which includes a frame (1) with sealing edges (9) forming a duct section and inside it a hatch part (4) rotating on an axle (11), as well as a rotation device for rotating the axle (11) and with it the hatch part (4) tightly

against the sealing edges of the frame. The penetration of the frame (1) by axle (11) of the hatch part (4) consists of a flexible cylindrical element (7) locked to the frame and a concentric counter sleeve (8) in the hatch part (4) fitted tightly to it. The sealing edges (9) of the frame extend to the flexible cylindrical element (7).





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 97 66 0020

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 691 (M-1731), 26 December 1994 -& JP 06 272951 A (HONDA MOTOR CO LTD), 27 September 1994 * abstract; figures 1-3 * ---	1	F23L13/02 F24F13/14
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 148 (M-308), 11 July 1984 & JP 59 046443 A (MATSUSHITA DENKI SANGYO KK), 15 March 1984 * abstract *---	1	
A	EP 0 193 503 A (REMOSTA SPA) 3 September 1986 * column 3, line 63 - column 4, line 22 * * column 4, line 40 - line 45; figures 3,4 * ---	1	
TECHNICAL FIELDS SEARCHED (Int.Cl.6)			
F23L F24F F16J F16K F01N			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
THE HAGUE	27 November 1998		Coli, E
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
O : non-written disclosure		L : document cited for other reasons	
P : intermediate document		& : member of the same patent family, corresponding document	