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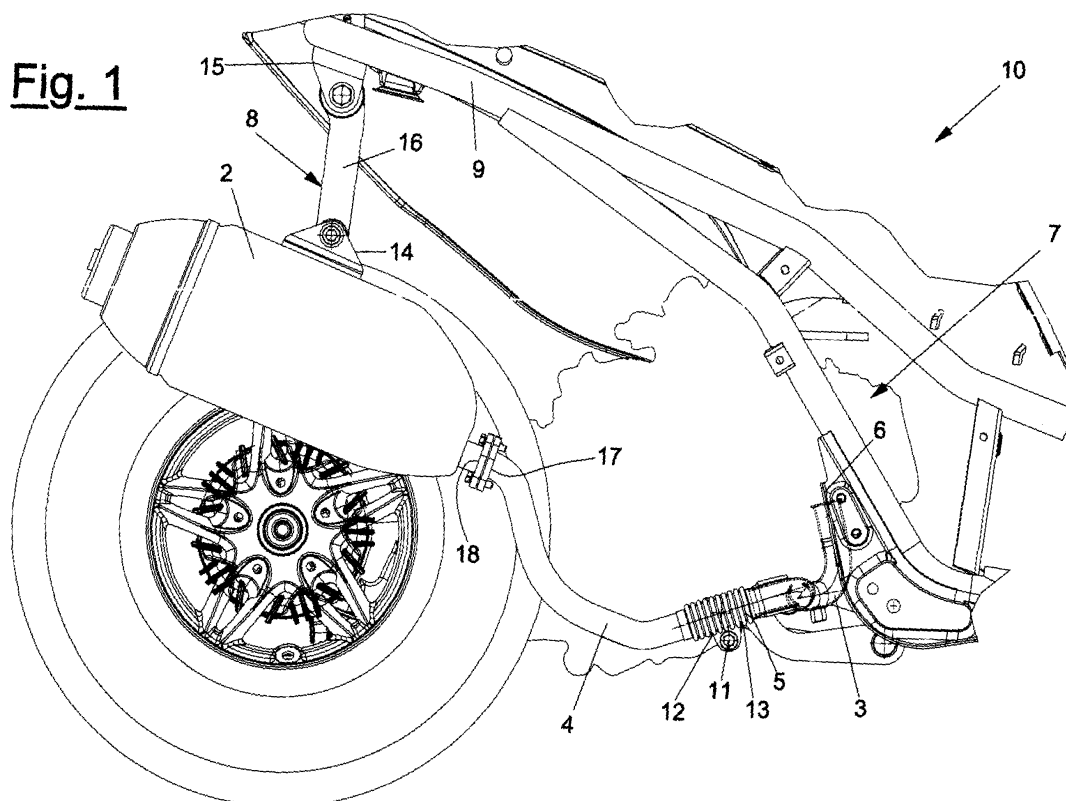
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(54) **FASTENING SYSTEM OF AN EXHAUST GROUP TO A SCOOTER**

(57) Fastening system of an exhaust group, of the type equipped with at least one muffler (2) and at least one manifold pipe (3, 4, 3'), to a scooter (10). The fas-

tening system has at least one flexible coupling (5), arranged between the muffler (2) and the exhaust hole (6) of the engine (7), and attachment means (8) suitable for connecting the muffler to the frame (9) of the scooter (10).





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 10 2728

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	JP 06 336922 A (SUZUKI MOTOR CO) 6 December 1994 (1994-12-06) * figures 1-4 *	1,2,4,8	INV. F01N7/18
Y	----- DE 43 07 998 A1 (PORSCHE AG [DE]) 15 September 1994 (1994-09-15) * figures 1-4 *	5-7	
Y	----- JP 07 166859 A (YAMAHA MOTOR CO LTD) 27 June 1995 (1995-06-27) * figures 1-5c *	5	
Y	----- EP 0 875 409 A1 (SCAMBIA IND DEV AG [LI]) 4 November 1998 (1998-11-04) * figures 1-6 *	6,7	
A	-----	1,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F01N
Place of search		Date of completion of the search	Examiner
The Hague		19 April 2007	MORALES GONZALEZ, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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

EP 05 10 2728

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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19-04-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 6336922	A	06-12-1994	NONE
DE 4307998	A1	15-09-1994	NONE
JP 7166859	A	27-06-1995	NONE
EP 0875409	A1	04-11-1998	BR 9801500 A 28-09-1999
		DE 59806392 D1 09-01-2003	
		ES 2187914 T3 16-06-2003	
		JP 10311219 A 24-11-1998	
		US 6260652 B1 17-07-2001	