

(19)



(11)

EP 2 204 557 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
01.09.2010 Bulletin 2010/35

(51) Int Cl.:
F01N 13/00 (2010.01) F01N 13/08 (2010.01)

(43) Date of publication A2:
07.07.2010 Bulletin 2010/27

(21) Application number: **09179760.5**

(22) Date of filing: **17.12.2009**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR**

(30) Priority: **30.12.2008 IT RE20080121**

(71) Applicant: **Emak S.p.A.**
42011 Bagnolo in Piano (Reggio Emilia) (IT)

(72) Inventor: **Colli, Roberto**
42011 Bagnolo in Piano (Reggio Emilia) (IT)

(74) Representative: **Corradini, Corrado et al**
Ing. C. Corradini & C. S.r.l.
Via Dante Alighieri 4
42100 Reggio Emilia (IT)

(54) **A device for evacuating exhaust gases from an internal combustion engine for portable work tools**

(57) A device for evacuating exhaust gases from an internal combustion engine for mobile work tools, comprising a muffler (70) provided with at least an outlet mouth (71) which opens in a terminal conduit (8) through

which the exhaust gases are released directly into an outside environment, a transversal section of the terminal conduit (8) comprising two broadened portions (82) arranged side-by-side in a direction of a width thereof and separated by an intermediate choke (83).

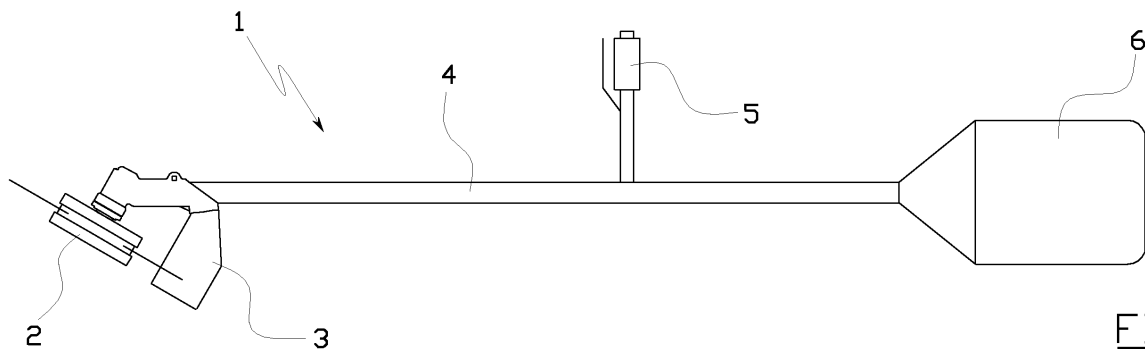


FIG.1

EP 2 204 557 A3



EUROPEAN SEARCH REPORT

Application Number
EP 09 17 9760

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 6 164 410 A (LINSBAUER PETER [DE] ET AL) 26 December 2000 (2000-12-26) * column 1, line 4 - line 14; figures 1-7 * * column 1, line 65 - column 2, line 55 * -----	1	INV. F01N13/00 F01N13/08
A	DE 20 2005 013804 U1 (DOLMAR GMBH [DE]) 11 January 2007 (2007-01-11) * paragraphs [0001], [0027]; figure 2 * -----	1	
A	GB 568 140 A (JEAN CLEMENT DANINOS) 20 March 1945 (1945-03-20) * page 1, line 9 - line 22 * * page 2, line 113 - page 3, line 51; figures 1-5 * -----	1-5,9	
			TECHNICAL FIELDS SEARCHED (IPC)
			F01N
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 6 July 2010	Examiner Jucker, Chava
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			

1
EPO FORM 1503 03.82 (P04C01)

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

EP 09 17 9760

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.

06-07-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6164410	A	26-12-2000	DE 29900101 U1	10-02-2000
			FR 2793840 A1	24-11-2000
			JP 3273936 B2	15-04-2002
			JP 2000204944 A	25-07-2000
			SE 521890 C2	16-12-2003
			SE 9904573 A	08-07-2000

DE 202005013804	U1	11-01-2007	AT 467752 T	15-05-2010
			CN 1924314 A	07-03-2007
			EP 1760285 A2	07-03-2007
			JP 2007064223 A	15-03-2007
			US 2008110160 A1	15-05-2008

GB 568140	A	20-03-1945	NONE	
