



(11) **EP 1 580 499 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
28.03.2007 Bulletin 2007/13

(51) Int Cl.:
F25B 39/04 (2006.01) F25B 43/00 (2006.01)

(43) Date of publication A2:
28.09.2005 Bulletin 2005/39

(21) Application number: **05075616.2**

(22) Date of filing: **14.03.2005**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

(72) Inventor: **Bernini, Michele**
43100 Parma (IT)

(74) Representative: **De Gregori, Antonella**
Ing. Barzano' & Zanardo Milano S.p.A.
Via Borgonuovo 10
20121 Milano (IT)

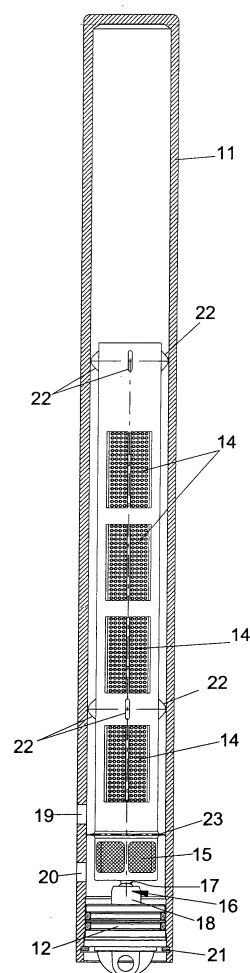
(30) Priority: **17.03.2004 IT MI20040111 U**

(71) Applicant: **SKG Italia S.p.A.**
43040 Scarzara (Parma) (IT)

(54) **Condenser cartridge, in particular for an air-conditioning unit for vehicles**

(57) A condenser cartridge, in particular of an air-conditioning unit for vehicles, which can be inserted axially in an end of a cylindrical collector tube (11), comprises a cylindrical cap (12), suitable for making the seal inside the collector tube (11), and a casing (13) for a drying means that carries a filtering element (15) at one end, in which the cap (12) and the casing (13) are coupled through a ball-and-socket joint (16).

Fig. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 07 5616

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	EP 1 202 007 A (SKG ITALIANA SPA [IT]) 2 May 2002 (2002-05-02) * figure 1 *	1-9	INV. F25B39/04 F25B43/00
A	----- EP 1 104 877 A1 (VISTEON GLOBAL TECH INC [US]) 6 June 2001 (2001-06-06) * the whole document *	1-9	
A	----- EP 0 867 670 A2 (BEHR GMBH & CO [DE] BEHR GMBH & CO KG [DE]) 30 September 1998 (1998-09-30) * the whole document *	1-9	

			TECHNICAL FIELDS SEARCHED (IPC)
			F25B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 21 February 2007	Examiner Bain, David
CATEGORY OF CITED DOCUMENTS		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	
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			

2
EPO FORM 1503 03.82 (P04C01)

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

EP 05 07 5616

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.

21-02-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1202007 A	02-05-2002	US 2002046571 A1	25-04-2002
EP 1104877 A1	06-06-2001	DE 60006776 D1	08-01-2004
		DE 60006776 T2	30-09-2004
		JP 2001171339 A	26-06-2001
		KR 20010061995 A	07-07-2001
		US 6360560 B1	26-03-2002
EP 0867670 A2	30-09-1998	AT 340345 T	15-10-2006
		DE 19712714 A1	01-10-1998
		JP 10272919 A	13-10-1998
		US 5992174 A	30-11-1999