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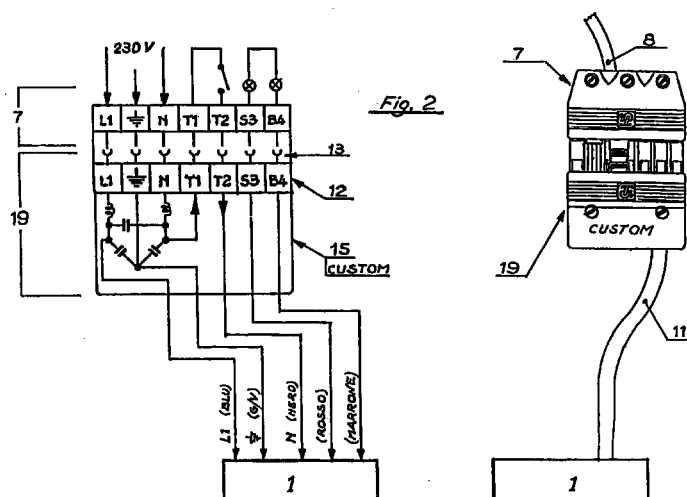
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(54) **Multipolar connection system for an electric apparatus which produces electromagnetic noise**

(57) A multipolar connection system is described, for connecting an electric apparatus (1), in particular a fuel burner, which may generate electromagnetic interferences or noise during its operation, comprising a first part (7) having a male connector, a second part (12) having a female connector, and an electric filter (15) for suppressing said electromagnetic interferences or noise; the main feature of the invention consists in that said filter (15) is provided on one side with a multipolar connection cable (11) for the connection to said electric apparatus (1) and, on the other side, with a set of con-

tacts (18) for the coupling with a corresponding set of contacts (13) arranged on one (12) of said two parts forming a coupling connector, and in that said part (12) and said filter (15) form an integral assembly (19).

According to a preferred embodiment, the filter is enclosed in a resin block and is connected to the female part of the connector through male contacts which couples with female contacts of said female part of said connector.



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 11 6530

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)
X	EP 0 090 774 A (FELLER) 5 October 1983 (1983-10-05) * page 2, paragraphs 1-3 *	1,4	H01R13/66
A	* page 6, line 1-3 * * page 7, last paragraph - page 8, paragraph 1 * * page 10, paragraphs 1-2 * * page 12 * * page 13, paragraph 2; figures 1-3 *	2,10	
X	GB 2 271 472 A (KAINSTAR) 13 April 1994 (1994-04-13) * page 4, last paragraph; figures 1,2 *	1,6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 27 September 1999	Examiner Alexatos, G
<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 &amp; : 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 98 11 6530

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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