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(54) **Fast-fit electric connecting device and use thereof for neutralizing a surplus high-voltage output terminal of an electronic gas lighter for electric household appliances, in particular a cooking range**

(57) A fast-fit electric connection to ground device of a surplus high-voltage output terminal of an electronic gas lighter device (3) intended to be fixed in use against an electrically conducting element (4), typically a cooking range for electric household appliances, consisting of an electrically deformable metallic foil (1) including an asymmetric U-shaped assembly portion (10) adapted to be inserted in a contact carried stack (11) of an electrically non-conducting casing (12) of the gas lighter device, and a working portion defined by an arm (14) which extends askew and cantilevered from a first end (15) of the assembly portion and shaped so as to be adapted to cooperate in use in contact against the electrically conducting element (4); the assembly portion being provided with a slot (16) for the mechanical and electrical coupling with a respective blade terminal (2b) accommodated within said contact carried stack of the gas lighter device and a second end (18), opposite the first, adapted to engage in use an internal side wall (21) of the contact carried stack in consequence of an elastic deformation of the foil (1) consequent to the cooperation in reciprocal contact of said cantilevered arm protruding (14) from the working portion with the electrically conducting element (4).

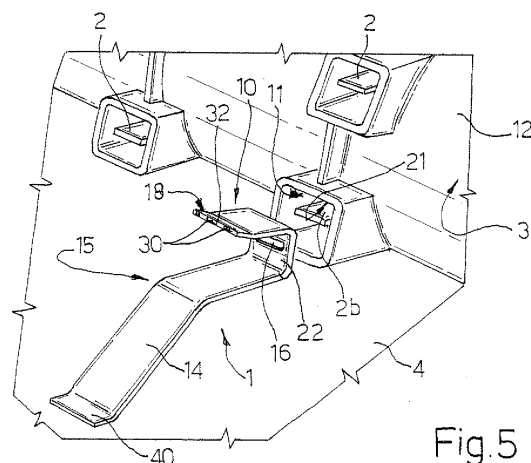


Fig.5



## EUROPEAN SEARCH REPORT

Application Number  
EP 07 11 1482

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			TECHNICAL FIELDS SEARCHED (IPC)
			H01R F23Q
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 November 2009	Examiner Corrales, Daniel
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	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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