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(72) Inventor: **Gula, Lance**  
**Clinton, Pennsylvania 15026 (US)**

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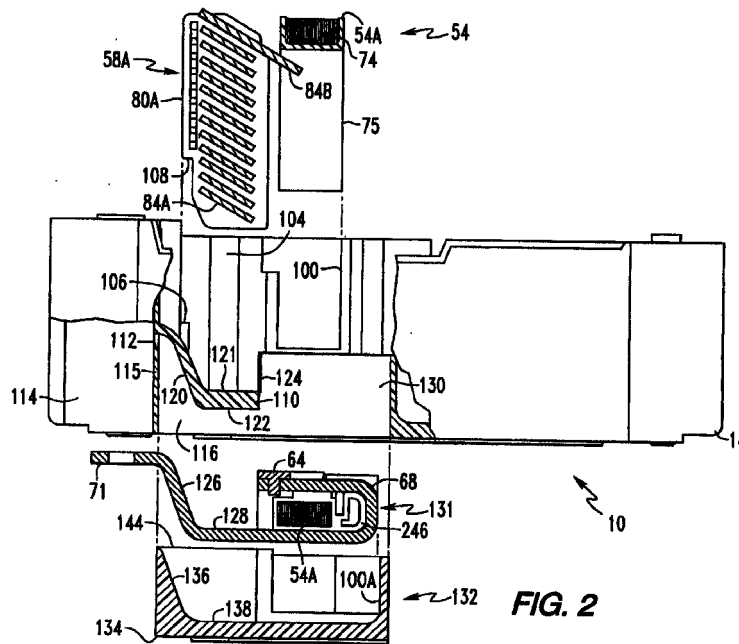
(74) Representative:  
**Wagner, Karl H., Dipl.-Ing. et al**  
**WAGNER & GEYER**  
**Patentanwälte**  
**Gewürzmühlstrasse 5**  
**80538 München (DE)**

(71) Applicant: **EATON CORPORATION**  
**Cleveland, Ohio 44114-2584 (US)**

(54) **Conductor subhousing for a circuit breaker**

(57) This concerns a molded case circuit breaker 10 including slot motor 54, arc chute A80, operating mechanism, stationary main contact 64 and line terminal arrangement 171. The stationary main terminal 64, line terminal 71 arrangement is assembled in a separate member and inserted into the bottom of the circuit interrupter in one piece with a line terminal portion being fed through a narrow opening 112 in an internal vertical wall

115 of the circuit interrupter. The fixed contact 64 and its u-shaped contact arm 68 and conductor member 128 is snugly disposed within the assembled molded case circuit interrupter with reduced openings between the arc chamber thereof and other portions of the circuit interrupter.



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European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
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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.7)
Y	US 5 218 332 A (BLANCHARD CHRISTIAN ET AL) 8 June 1993 (1993-06-08) * the whole document *	1-15	H01H71/02 H01H11/06 H01H71/08
Y	US 2 174 669 A (J. SACHS) 3 October 1939 (1939-10-03) * page 3, right-hand column, line 4-18; figure 3 *	1-15	
A	US 4 377 795 A (BISHOP CLIFFORD F ET AL) 22 March 1983 (1983-03-22) * abstract; figures 3,5 *	1-15	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01H
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>25 January 2001</b>	Examiner <b>Overdijk, J</b>
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			

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

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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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25-01-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5218332 A	08-06-1993	FR 2673486 A DE 69207929 D EP 0501885 A	04-09-1992 14-03-1996 02-09-1992
US 2174669 A	03-10-1939	NONE	
US 4377795 A	22-03-1983	US 4307359 A	22-12-1981