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54 Circuit breaker with arc gun.

57 A circuit breaker having an arc impeller characterized by a circuit breaker mechanism having stationary and movable contacts operable between open and closed positions. A U-shaped member has a U-leg on opposite sides of the stationary contact and the U-shaped member is comprised of a ferromagnetic material for providing a magnetic field in a zone perpendicular to the path of current through the closed contacts so as to drive any arc away from the contacts into an adjacent arc extinguisher. A fiber barrier is located adjacent the stationary contacts, which emits a cooling gas during contact separation.

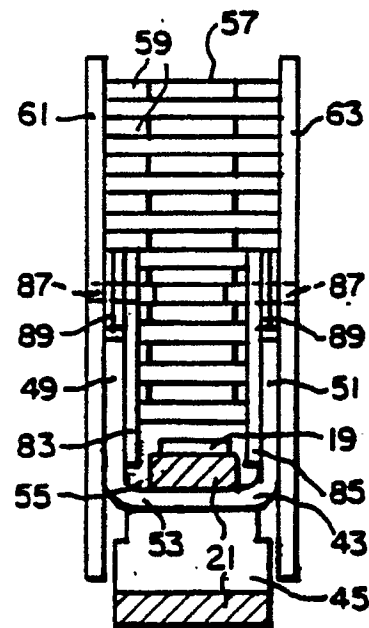


FIG. 2.

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EUROPEAN SEARCH REPORT

Application Number

EP 89 30 9023

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.5)
Y	DE-B-1 009 698 (SIEMENS-SCHUCKERTWERKE) * column 1, line 36 - column 2, line 25; figure 1 * - - -	1	H 01 H 9/46
Y	FR-E-7 895 8 (EMILE BRUNET) * page 1; figures 4, 5 * - - -	1	
A	DE-B-2 159 756 (SIEMENS) * column 2, lines 18 - 53 * - - -	1,2	
A	FR-A-2 365 874 (SIEMENS) * claims 1, 2; figures * - - -	1	
A	EP-A-0 033 479 (CGE COMPAGNIA GENERALE ELET- TROMECCANICA) * abstract; figure 1 * - - -	1	
D,A	US-A-4 654 491 (WESTINGHOUSE ELECTRIC COM- PANY) * abstract; figures 1, 2 * - - - - -	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 01 H
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		11 April 91	JANSSENS DE VROOM P.
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			