



Europäisches Patentamt
European Patent Office
Office européen des brevets



Publication number: **0 399 282 A3**

EUROPEAN PATENT APPLICATION

Application number: **90108624.9**

Int. Cl.⁵: **H01H 73/04**

Date of filing: **08.05.90**

Priority: **25.05.89 IT 2064289**

Date of publication of application:
28.11.90 Bulletin 90/48

Designated Contracting States:
BE DE ES FR GB

Date of deferred publication of the search report:
22.01.92 Bulletin 92/04

Applicant: **BTICINO S.r.l.**
Corso di Porta Vittoria 9

I-20122 Milan(IT)

Inventor: **Fabrizi, Fabrizio**
Via Cucchi 5
I-24100 Bergamo(IT)
Inventor: **Pianezzola, Sergio**
Via della Fratellanza,
I-21100 Calcinate del Pesce, Varese(IT)

Representative: **Perani, Aurelio et al**
c/o JACOBACCI-CASETTA & PERANI S.p.A 7,
Via Visconti di Modrone
I-20122 Milano(IT)

An automatic magneto-thermal protection switch having a high breaking capacity.

An automatic, high breaking capacity magneto-thermal protection switch or breaker of a type comprising a control key (3), a toggle mechanism (16) associated with the key, at least one moving contact (19) driven by the mechanism to rock toward and away from a fixed contact (18) facing a de-ionization chamber (30) and respective cell (29), and an amperometric protection coil (9) having a moving armature (12) arranged to act on said mechanism, further comprises a rocking striker (32) having one end (33) inserted in the path of movement of a breaker arm-like lug (35) on said armature and the opposite end arranged to act on said moving contact (19) in abutment relationship to speed up the contact opening movement by the time of automatic operation.

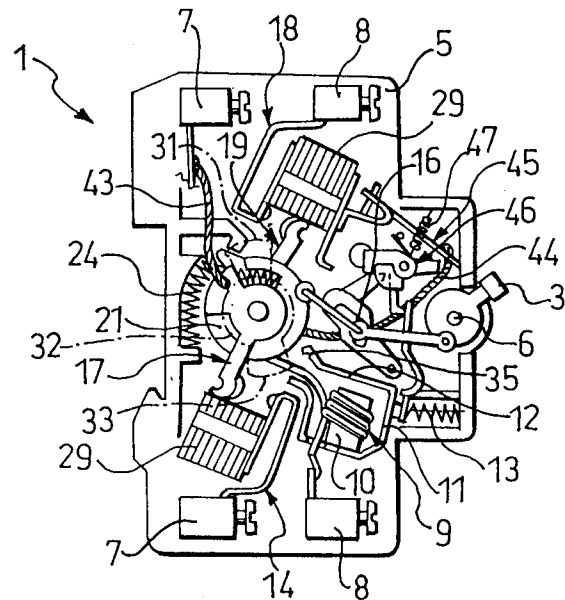


FIG.3

EP 0 399 282 A3



EUROPEAN SEARCH
REPORT

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)
X	DE-B-2 132 738 (ELLENBERGER & POENSGEN GMBH) * column 5, lines 40 - 50; figure 1 * - - -	1	H 01 H 73/04
A	DE-U-8 109 136 (SIEMENS AG) * page 2, line 33 - page 4, line 13; figures 1-7 * - - -	1	
A	GB-A-2 040 573 (WOLFF, H. W.) * page 1, lines 102 - 111; figure 1 * - - - - -	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
Berlin		11 November 91	NIELSEN K 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 T : theory or principle underlying the invention</p> <p>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</p>			