



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
29.12.2010 Bulletin 2010/52

(51) Int Cl.:
H01H 71/52 (2006.01) H01H 1/20 (2006.01)
H01H 11/00 (2006.01)

(43) Date of publication A2:
07.10.2009 Bulletin 2009/41

(21) Application number: **08016768.7**

(22) Date of filing: **24.09.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(72) Inventors:
• **Watanabe, Kazumasa**
Tokyo 100-8310 (JP)
• **Fushimi, Masahiro**
Tokyo 100-8310 (JP)

(30) Priority: **31.03.2008 JP 2008090586**

(74) Representative: **HOFFMANN EITLE**
Patent- und Rechtsanwälte
Arabellastraße 4
81925 München (DE)

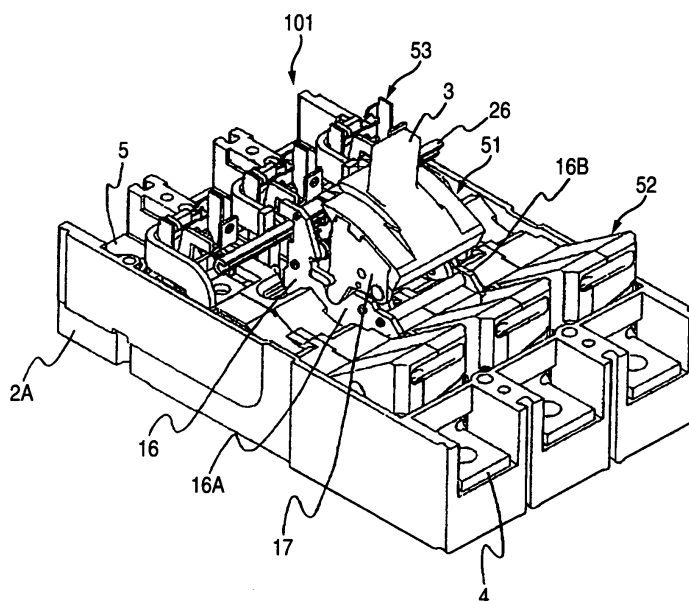
(71) Applicant: **Mitsubishi Electric Corporation**
Chiyoda-ku
Tokyo 100-8310 (JP)

(54) **Circuit breaker**

(57) A circuit breaker is provided. The circuit breaker includes housing, a frame that is fixed to the housing, and a make and break mechanism. The housing is configured to comprise a double-break unit case having two pairs of the moving contact point and the stationary con-

tact point or a member that is different from the double-break unit case. The frame has a first fixing portion for fixing the make and break mechanism to the double-break unit case and a second fixing portion for fixing the make and break mechanism to the housing in which the member is provided

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 08 01 6768

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	DE 10 2006 059307 B3 (MOELLER GMBH [DE]) 21 February 2008 (2008-02-21) * paragraphs [0009], [0 29] - [0040] * * figures 1,2,3,4 * -----	1-3	INV. H01H71/52 H01H1/20 H01H11/00
Y	WO 03/009324 A1 (MOELLER GMBH [DE]; EIFERT GUIDO [DE]; ZABROCKI BOGDAN [DE]) 30 January 2003 (2003-01-30) * page 4, lines 12-36; figures 1,2 * -----	1-3	
Y	EP 1 801 835 A2 (MITSUBISHI ELECTRIC CORP [JP]) 27 June 2007 (2007-06-27) * paragraphs [0015] - [0018]; figures 1,2 * -----	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01H
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 November 2010	Examiner Glaman, C
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			

1
EPO FORM 1503 03.82 (P04C01)

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

EP 08 01 6768

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-11-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102006059307 B3	21-02-2008	NONE	

WO 03009324 A1	30-01-2003	DE 20111726 U1	05-12-2002
		EP 1407466 A1	14-04-2004

EP 1801835 A2	27-06-2007	CN 1988096 A	27-06-2007
		JP 4522362 B2	11-08-2010
		JP 2007172980 A	05-07-2007
		KR 20070066828 A	27-06-2007
		US 2007139147 A1	21-06-2007
