

12 EUROPEAN PATENT APPLICATION

21 Application number: 85114263.8

51 Int. Cl.³: H 01 H 3/00
H 01 H 9/16

22 Date of filing: 08.11.85

30 Priority: 09.11.84 US 670554
02.04.85 US 718931
04.04.85 US 719684

43 Date of publication of application:
14.05.86 Bulletin 86/20

88 Date of deferred publication of search report: 14.10.87

84 Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

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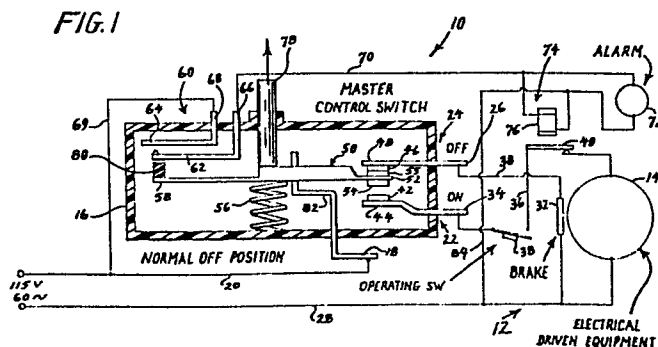
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54 Safety switch.

57 A switch (10) for providing a safety function when its main contacts are fused or stuck together in the 'ON' position, comprising a housing (16) containing a pair of main contacts (42, 54), one being designated an ON contact, and the other main contact being carried by a movable switch arm (50) in the housing (16). This switch arm (50) has a first end which carries the movable main contact (54) and a second end, and spring means (56) mechanically coupled to the movable switch arm (50) normally bias the movable main contact (54) toward open position away from engagement

with the ON contact. Switch operating means including movable actuator means (78) overcome the biasing force of the spring means (56) for moving the movable main contact (54) to closed position into engagement with the ON main contact. There are auxiliary safety contact means (60) within the switch housing for completing a safety circuit and/or for deenergizing the main circuit in response to abnormal movement of the movable switch arm (50) when the actuator means (78) is moved to OFF position, but the movable main contact (54) remains fused or stuck to the ON main contact.





European Patent
Office

EUROPEAN SEARCH REPORT

0181006

Application number

EP 85 11 4263

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. 4)
A	DE-A-2 559 688 (HONEYWELL GMBH) * claim 1; page 3, line 1 - page 5, paragraph 2; figures 1, 2 *	1	H 01 H 3/00 H 01 H 9/16
A	US-A-3 964 004 (C.S. MERTLER) * abstract, column 5, line 46 - column 6, line 41; figures 1-7 *	1	
A	DE-A-2 705 330 (BBC) * page 5, paragraph 1 - page 6, paragraph 3 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			H 01 H 3/00 H 01 H 9/16 H 01 H 71/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 27-07-1987	Examiner RUPPERT W
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	