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Date of deferred publication of the search report: 14.09.94 Bulletin 94/37 7) Applicant: ROLTRA MORSE S.p.A. Via Albenga, 9
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54) Safety cutoff power window control device.

The A control device (1) for detecting the presence of an obstacle on the basis of the current absorbed by the motor (11) controlling the window (11a) in the course of an opening or closing stroke. For effectively distinguishing an obstacle from other factors, such as defects on the window guide resulting in a regular, local increase in current absorption, the current measurement is integrated and compared with threshold values varying within the stroke and describing a reference line (20; 21) consisting of a number of line portions (20a-20c), each equal in value to the integral of the current in a respective portion of the stroke in the absence of an obstacle.

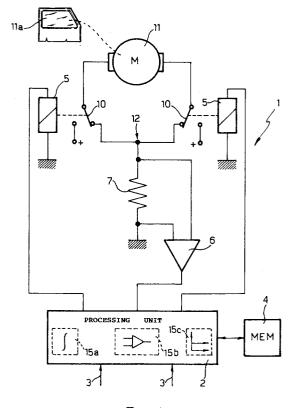


Fig. 1



EUROPEAN SEARCH REPORT

Application Number EP 93 11 6642

Category	Citation of document with indic of relevant passag		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)	
X	GB-A-2 169 105 (AUTOM * page 4, line 117 -		1-3,7	H02H7/085 E05F15/16 B60R16/02	
A	DE-A-33 03 590 (KÜSTE * the whole document		1,2,4,5	BOOK 10, GE	
A	GB-A-2 010 957 (DAIML * page 1, line 49 - 1	 ER-BENZ) ine 87 * 	1,6,7		
				TECHNICAL FIELDS SEARCHED (int.Cl.5)	
				E05F	
				H02H	
	The present search report has been	drawn up for all claims	_		
Place of search		Date of completion of the search	ate of completion of the search Examiner		
BERLIN		7 July 1994	Sta	indring, M	
X:par Y:par doc A:tec	ticularly relevant if combined with anothe nument of the same category hnological background	E : earlier patent d after the filing D : document cited L : document cited	ocument, but publ date in the application for other reasons	ished on, or	
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		after the filing D: document cited L: document cited	after the filing date D: document cited in the application L: document cited for other reasons & : member of the same patent family, corresponding document		