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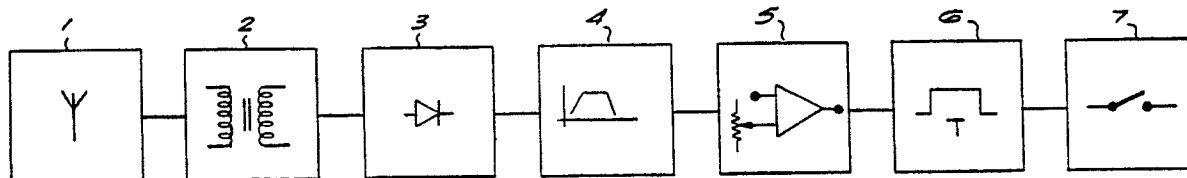
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**Method and apparatus for protecting electrical equipment.**

The invention relates to a method of and apparatus for protecting electrical or electronic equipment from electromagnetic interference. Such a method includes the initial steps of detecting the electromagnetic interference, and generating an input signal which represents the interference. The level of the input signal is then compared to a predetermined threshold level, and an output signal is generated to initiate a protective measure, such as interrupting the

power supply to the equipment, in the event of the input signal level exceeding the predetermined threshold. The apparatus for protecting the equipment includes detection means (1) for detecting the electromagnetic interference, and generating a representative input signal, level detection means (5) for comparing the input signal level to a threshold level, and control means (6,7) for generating an output signal to initiate a protective measure.



**FIG. 1**

**EP 0 357 343 A3**



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	GB-A-1119941 (BOWMAN) * the whole document *	1, 2, 4, 6, 8, 9, 12, 14, 17-19	G08B29/18 H02H1/04
Y		3, 5, 11, 13, 15, 16, 20	
A	GB-A-1030243 (NAPIER & SON LIMITED) * the whole document *	1, 2, 6, 8, 9, 12, 17, 18	
Y		11, 16	
A	US-A-4466071 (RUSSELL) * column 2, line 25 - column 3, line 42 *	1, 8	
Y	* column 16, lines 5 - 18; figure 9 *	20	
A	DE-B-1279512 (WÖRL) * the whole document *	1, 8	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	CH-A-105100 (MACHINENFABRIK OERLIKON UND RUDTGERS) * the whole document *	1-15, 17-19	G08B H02H
Y		3, 5, 13, 15	
A	US-A-4206451 (KURSCHNER) * the whole document *	1, 2, 45, 7, 8, 10, 11, 14, 15	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 OCTOBER 1990	Examiner REEKMANS M. V.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			