

11) Publication number:

0 376 409 A3

(2)

## **EUROPEAN PATENT APPLICATION**

(2) Application number: 89203333.3

(51) Int. Cl.5: G04G 15/00

(22) Date of filing: 27.12.89

Priority: 29.12.88 JP 331284/88 19.10.89 JP 272457/89

Date of publication of application: 04.07.90 Bulletin 90/27

Designated Contracting States:
DE FR IT

Date of deferred publication of the search report:
30.01.91 Bulletin 91/05

Applicant: MATSUSHITA ELECTRIC WORKS, LTD. 1048, Oaza-kadoma Kadoma-shi Osaka 571(JP)

Inventor: Muraoka, Shunkichi 18-4, Uzumasa Naka-machi Neyagawa-shi Osaka 572(JP) Inventor: Matsuda, Masanori 3-21, Shimeno 5-chome Neyagawa-shi Osaka 572(JP)

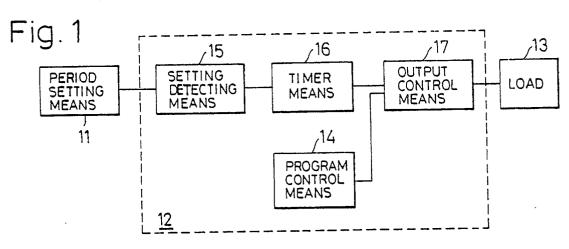
Representative: Kupecz, Arpad et al
Octrooibureau Los en Stigter B.V. Postbox
20052
NL-1000 HB Amsterdam(NL)

## (54) Time switch.

(13) through an output control means (17) normally in accordance with a program preliminarily set by a program control means (14) and, as desired, setting a period for which the load (13) is to be placed either in ON or OFF state by a setting means (11) independent of the program control, during which period a timer means (16) counts the time of the set

period as the period-setting is detected and provides an output to the output control means (17) for maintaining the ON or OFF state of the load (13), and upon termination of which period the output of the program control means (17) is provided again to the output control means (17), whereby the time switch can be turned ON or OFF temporarily for the desired period of time with a simpler operation.







## **EUROPEAN SEARCH REPORT**

EP 89 20 3333

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with	i indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Α	GB-A-2 064 165 (KAYODE * Figure 1; abstract *	OLAWALE AMURE)	1-9	G 04 G 15/00
A	PATENT ABSTRACTS OF J (P-170)[1163], 25th January & JP-A-57 172 282 (HITACH 23-10-1982 * Figure; abstract *	1983;	1-9	
				TECHNICAL FIELDS SEARCHED (int. Cl.5)
				G 04 G
	The present search report has t			Company
	Place of search	Date of completion of search		Examiner
	The Hague	20 November 90		PEETERS M.M.G.

## CATEGORY OF CITED DOCUMENTS

- X: particularly relevant if taken alone
- Y: particularly relevant if combined with another document of the same catagory
- 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