

Europäisches Patentamt

European Patent Office

Office européen des brevets



EP 0 928 126 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **04.04.2001 Bulletin 2001/14**

(51) Int. Cl.⁷: **H05B 37/03**

(11)

(43) Date of publication A2: **07.07.1999 Bulletin 1999/27**

(21) Application number: 99100122.3

(22) Date of filing: 05.01.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 05.01.1998 FI 980013

(71) Applicant:
Ahlström
Sähkötarvikkeet Oy i-VALO
07970 Ruotsinpyhtää (FI)

(72) Inventor: Aalto, Veijo 13600 Hämeenlinna (FI)

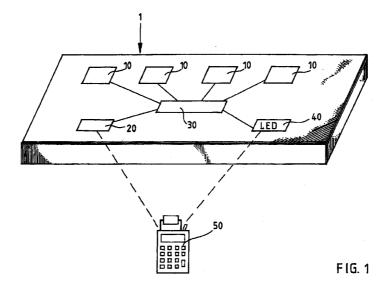
(74) Representative: HOFFMANN - EITLE Patent- und Rechtsanwälte Arabellastrasse 4 81925 München (DE)

(54) Method and arrangement for observing the operational status of an electrical device

(57) The present invention relates to a method of monitoring and/or controlling the operation status of an electrical apparatus (1) from a distance from the apparatus. Factors having an effect on the various operation statuses of the electrical apparatus, such as various components causing the fault condition, are identified by means of suitable transducers (10) and wirelessly

indicated by means of transmitters using electromagnetic signals. The invention also relates to an apparatus performing the method.

Industrial lighting fixtures are an advantageous application of the invention.





EUROPEAN SEARCH REPORT

Application Number EP 99 10 0122

Category	Citation of document with inc		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Ci.6)
X	GB 2 176 640 A (HARD MCCLELLAND; JOHN MERV 31 December 1986 (19 * abstract; figure * page 1, line 32 - * page 1, line 105 - * page 2, line 93 -	/YN THOMAS) 986-12-31) ' line 49 *	1,3-8, 10-16	H05B37/03
A	WO 96 36202 A (DURAN 14 November 1996 (19 * abstract; figures * page 7, line 32 - * page 9, line 10 - * claims 1,3,8-10 *	996-11-14) 1~3 *	1-4,6-16	
A	FR 2 705 186 A (ELEC 18 November 1994 (19 * page 3, line 6 - 1	94-11-18)	1,6,10, 13	
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				H05B
	The present search report has be			
	Place of search THE HAGUE	Date of completion of the sear 13 February 2	l l	Examiner Cas, J.
X : parti Y : parti docu A : tech	NTEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anothe ment of the same category nological background written disclosure	T : theory or pr E : earlier pate after the filir D : document L : document	inciple underlying the in	evention hed on, or

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

EP 99 10 0122

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.

13-02-2001

6640 A 6202 A 5186 A	1	1-12-198 4-11-199 8-11-199	 96 	NONE FR EP	2734118 0766905	A A	15-11-199 09-04-199
				FR EP	2734118 0766905	A A	
5186 A	1	8-11-199	14				
			/ -	NONE			
	out this annex :	out this annex : see Official	out this annex : see Official Journal of the	out this annex : see Official Journal of the European P	out this annex : see Official Journal of the European Patent Offic	out this annex : see Official Journal of the European Patent Office, No. 12/82	out this annex : see Official Journal of the European Patent Office, No. 12/82