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(54) **Method of driving LED chips of different specifications**

(57) A method of driving LED chips, wherein the LED chips have different specifications, includes the steps of:  
A. defining a plurality of setting currents; B. connecting a LED chip (60); C. selecting one of the setting currents which matches a rated current of the LED chip (60); and D. providing power with the selected setting current to the LED chip (60). Whereby, the method could be applied to drive LED chips of several different specifications.

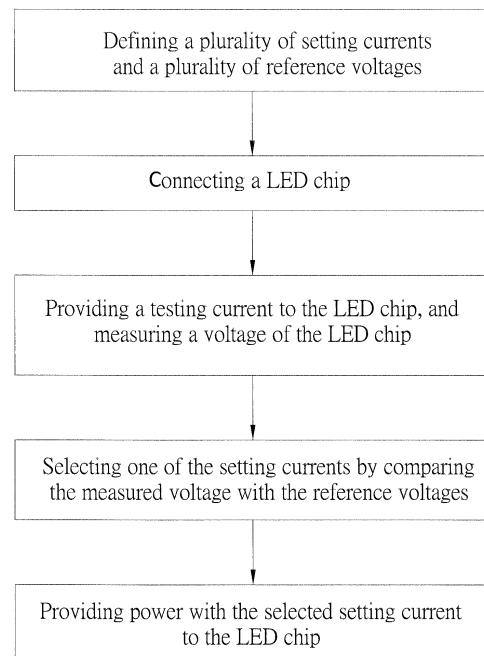


FIG. 2



## EUROPEAN SEARCH REPORT

Application Number  
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2012/187863 A1 (NONAKA TAKAFUMI [JP] ET AL) 26 July 2012 (2012-07-26) * figures 2,3,5-7 * * paragraphs [0013], [0019] - [0025], [0039], [0040], [0043], [0047], [0054], [0104] - [0107] * -----	1-7	INV. H05B33/08
X	JP 2009 283281 A (PANASONIC ELEC WORKS CO LTD) 3 December 2009 (2009-12-03) * claims 1-2 * -----	1-7	
X	US 2007/200513 A1 (HA CHANG WOO [KR] ET AL) 30 August 2007 (2007-08-30) * figure 3 * * paragraphs [0003], [0022] - [0043] * -----	1-7	
A	EP 1 235 468 A2 (ST MICROELECTRONICS INC [US]) 28 August 2002 (2002-08-28) * claim 1 * * paragraph [0013] * -----	1,3	
			TECHNICAL FIELDS SEARCHED (IPC)
			H05B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 September 2015	Examiner Schwarzenberger, T
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

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

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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  
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11-09-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2012187863 A1	26-07-2012	DE 102012100360 A1	26-07-2012
		JP 5289471 B2	11-09-2013
		JP 2012155861 A	16-08-2012
		US 2012187863 A1	26-07-2012
-----			
JP 2009283281 A	03-12-2009	JP 5311624 B2	09-10-2013
		JP 2009283281 A	03-12-2009
-----			
US 2007200513 A1	30-08-2007	CN 101031171 A	05-09-2007
		DE 102006056057 A1	06-09-2007
		JP 4503005 B2	14-07-2010
		JP 2007234577 A	13-09-2007
		US 2007200513 A1	30-08-2007
-----			
EP 1235468 A2	28-08-2002	EP 1235468 A2	28-08-2002
		US 2002117976 A1	29-08-2002
-----			