

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2017/097693

## A. CLASSIFICATION OF SUBJECT MATTER

H03K 3/017 (2006.01) i

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H03K; H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNABS, CNTXT, CNKI, VEN: 脉冲宽度, 调制, 调变, 占空, 精度, 精细, 精确, 准确, 缓存, 寄存, 缓冲, 补偿, 控制, 调整, 调节, 修正, 位, 比特, 个数, 数目, 数量, 扩展, 扩充, 增加, 基础, 基准, pulse width, modulation, PWM, duty, buffer, register, precision, accuracy, compensate, control, adjust, modify, bit, number, expansion, reference, increment

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 1419742 A (MARCONI COMMUNICATIONS SPA) 21 May 2003 (21.05.2003), description, page 6, line 20 to page 11, line 5, claims 7 and 8, and figure 1	1-20
A	CN 103442482 A (SHENZHEN TITAN MICRO ELECTRONICS CO., LTD.) 11 December 2013 (11.12.2013), entire document	1-20
A	US 2013038360 A1 (RENESAS ELECTRONICS CORPORATION et al.) 14 February 2013 (14.02.2013), entire document	1-20

Further documents are listed in the continuation of Box C.       See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&amp;” document member of the same patent family</p>
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26 April 2018

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN2017/097693

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 1419742 A	21 May 2003	EP 1269628 B1	10 September 2008
		JP 2003528524 A	24 September 2003
		EP 1978640 A3	22 October 2008
		WO 0171914 A1	27 September 2001
		EP 1978640 A2	08 October 2008
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		US 6747778 B2	08 June 2004
		EP 1269628 A1	02 January 2003
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		GB 2360601 B	13 February 2002
		GB 2360601 A	26 September 2001
		CN 101311775 B	23 November 2011
		CN 101311775 A	26 November 2008
		GB 2368986 A	15 May 2002
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		US 2015171837 A1	18 June 2015
		JP 2013053617 A	21 March 2013
		US 9009519 B2	14 April 2015
		US 9385691 B2	05 July 2016