Title (en)

METHOD FOR SOFTWARE DRIVEN GENERATION OF MULTIPLE SIMULTANEOUS HIGH SPEED PULSE WIDTH MODULATED SIGNALS

Title (de)

VERFAHREN ZUR PROGRAMMIERTEN ERZEUGUNG VON MEHREREN GLEICHZEITIGEN PULSBREITENMODULIERTEN SIGNALEN MIT HOHER GESCHWINDIGKEIT

Title (fr)

GENERATION PAR LOGICIEL DE SIGNAUX MODULES EN LARGEUR ET COMPORTANT PLUSIEURS IMPULSIONS HAUTE VITESSE SIMULTANEES

Publication

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Application

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Priority
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Abstract (en)

[origin: WO0001067A2] Systems and methods can provide, in one aspect, a method for modulating the pulse width of control signals generated on a plurality of separate channels. In one practice, the methods described herein are suitable for execution on a microprocessor or micro controller platform that includes a timer interrupt mechanism which will generate an interrupt in response to a timer counting down a selected time interval or time period. In one practice, the timer is set to count down a period of time that is representative of a portion, or sub period, of the PWM cycle. Upon expiration of that time period, the timer executes an interrupt that causes the micro controller to enter an interrupt service routine (ISR) that can further modulate the PWM cycle of one or more signals.

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