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

EP 1090459 A2 20010411 (EN)

Application

EP 99938706 A 19990625

Priority

- US 9914555 W 19990625
- US 9092098 P 19980626

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.

IPC 1-7

H03K 9/00

IPC 8 full level

H03K 7/08 (2006.01); **H03K 9/00** (2006.01)

IPC 8 main group level

H03K (2006.01)

CPC (source: EP US)

H03K 7/08 (2013.01 - EP US); **H05B 45/20** (2020.01 - EP US); **H05B 45/325** (2020.01 - EP US); G09G 3/2014 (2013.01 - EP); G09G 3/32 (2013.01 - EP)

Citation (search report)

See references of WO 0001067A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0001067 A2 20000106; **WO 0001067 A3 20000316**; AU 5312999 A 20000117; CA 2336184 A1 20000106; EP 1090459 A2 20010411; JP 2002519989 A 20020702

DOCDB simple family (application)

US 9914555 W 19990625; AU 5312999 A 19990625; CA 2336184 A 19990625; EP 99938706 A 19990625; JP 2000557545 A 19990625