

Title (en)

STROBE TECHNIQUE FOR TEST OF DIGITAL SIGNAL TIMING

Title (de)

STROBE-TECHNIK ZUM TESTEN DES DIGITALEN SIGNALTIMING

Title (fr)

TECHNIQUE STROBOSCOPIQUE D'ESSAI DE SYNCHRONISATION DE SIGNAUX NUMERIQUES

Publication

EP 1927203 A2 20080604 (EN)

Application

EP 06804013 A 20060922

Priority

- US 2006036912 W 20060922
- US 23454205 A 20050923
- US 23481405 A 20050923
- US 23459905 A 20050923

Abstract (en)

[origin: WO2007038233A2] A test system timing method simulates the timing of a synchronous clock on the device under test. Strobe pulses can be generated by routing an edge generator to delay elements with incrementally increasing delay values. A data signal or synchronous clock signal can be applied to the input of each of a set of latches which are clocked by the strobe pulses. An encoder can convert the series of samples which are thereby latched to a word representing edge time and polarity of the sampled signal. If the sampled signal is a data signal, the word can be stored in memory. If the sampled signal is a clock signal, the word is routed to a clock bus and used to address the memory. The difference between clock edge time and data edge time is provided and can be compared against expected values.

IPC 8 full level

G11C 29/00 (2006.01); **G11C 7/00** (2006.01)

CPC (source: EP KR)

G01R 31/31726 (2013.01 - EP); **G01R 31/31937** (2013.01 - EP); **G11C 29/56** (2013.01 - EP); **G11C 29/56004** (2013.01 - EP); **G11C 29/56012** (2013.01 - EP); **H04L 7/00** (2013.01 - KR)

Citation (search report)

See references of WO 2007038233A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007038233 A2 20070405; **WO 2007038233 A3 20081030**; EP 1927203 A2 20080604; EP 1927204 A2 20080604; EP 1927210 A2 20080604; JP 2009509174 A 20090305; JP 2009510403 A 20090312; JP 2009510842 A 20090312; JP 4907663 B2 20120404; JP 5254794 B2 20130807; JP 5254795 B2 20130807; KR 101236769 B1 20130225; KR 101237878 B1 20130227; KR 101239743 B1 20130306; KR 20080045714 A 20080523; KR 20080047403 A 20080528; KR 20080048487 A 20080602; WO 2007038339 A2 20070405; WO 2007038339 A3 20071206; WO 2007038340 A2 20070405; WO 2007038340 A3 20071122

DOCDB simple family (application)

US 2006036912 W 20060922; EP 06804013 A 20060922; EP 06804068 A 20060922; EP 06815244 A 20060922; JP 2008532401 A 20060922; JP 2008532444 A 20060922; JP 2008532445 A 20060922; KR 20087006518 A 20060922; KR 20087006592 A 20060922; KR 20087006701 A 20060922; US 2006037099 W 20060922; US 2006037100 W 20060922