Title (en)

CO-SIMULATION SYSTEM WITH A SLOW OPERATING MODE IN WHICH HARDWARE REQUESTS ARE PROCESSED AND A RAPID MODE

Title (de)

COSIMULATIONSSYSTEM MIT EINEM LANGSAMEN BETRIEBSMODUS IN DEM ANFRAGEN VON DER HARDWARE BEARBEITET WERDEN UND EINEM SCHNELLEN MODUS

Title (fr)

SYSTEME DE COSIMULATION PRESENTANT UN MODE DE FONCTIONNEMENT LENT DANS LEQUEL DES DEMANDES SONT TRAITEES PAR LE MATERIEL ET UN MODE RAPIDE

Publication

EP 1929417 A1 20080611 (DE)

Application

EP 05787312 A 20050901

Priority

DE 2005001537 W 20050901

Abstract (en)

[origin: WO2007025491A1] The invention relates to a hardware/software co-simulation system comprising a simulator and a hardware block coupled thereto with an I/O manager and at least one DUT ("Device under Test"), the co-simulation system comprising a first operating mode (Mode 1), wherein the I/O manager can forward a request from the simulator to the DUT on each clock cycle and a method for hardware/software co-simulation of a simulator with a synchronous electronic system. The aim of the invention is to improve the above such that the simulation times are significantly reduced. Said aim is achieved, whereby the co-simulation system comprises a second operating mode (Mode 2), wherein the I/O manager only forwards the clock signal (DUTC1k) to the DUT without forwarding further requests to the DUT and a seamless switching between both operating modes (Mode 1, Mode 2) is possible during a simulation.

IPC 8 full level

G06F 17/50 (2006.01)

CPC (source: EP US)

G06F 30/33 (2020.01 - EP US)

Citation (search report)

See references of WO 2007025491A1

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

DOCDB simple family (publication)

WO 2007025491 A1 20070308; DE 112005003746 A5 20080821; EP 1929417 A1 20080611; US 2009132224 A1 20090521

DOCDB simple family (application)

DE 2005001537 W 20050901; DE 112005003746 T 20050901; EP 05787312 A 20050901; US 6518208 A 20080228