

Title (en)  
SERIAL-CONNECTED MEMORY SYSTEM WITH OUTPUT DELAY ADJUSTMENT

Title (de)  
SERIELL GESCHALTETES SPEICHERSYSTEM MIT AUSGABEVERZÖGERUNGSEINSTELLUNG

Title (fr)  
SYSTÈME DE MÉMOIRE CONNECTÉ EN SÉRIE PRÉSENTANT UN AJUSTEMENT DE DÉLAI DE SORTIE

Publication  
**EP 2329496 A4 20120613 (EN)**

Application  
**EP 09817125 A 20090917**

Priority  

- CA 2009001271 W 20090917
- US 24196008 A 20080930
- US 24183208 A 20080930

Abstract (en)  
[origin: WO2010037205A1] Systems and methods for correcting clock duty cycle and/or performing output delay adjustment are provided for application in serial- connected devices operating as slave devices. A master device provides a clock to the first slave device. Each slave device passes the clock to the next slave device in turn. The last slave device returns the clock to the master device. The master device compares the outgoing and returned clocks and determines if a duty cycle correction and/or an output delay adjustment is needed. If so, the master device generates and outputs commands for slave devices to perform duty cycle and/or output delay adjustment. The slave devices each have a circuit for performing duty cycle correction and/or output delay adjustment. In some implementations, each slave device is a memory device, and the master device is a memory controller.

IPC 8 full level  
**G11C 7/22** (2006.01); **G06F 13/42** (2006.01); **G11C 16/32** (2006.01)

CPC (source: EP KR)  
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Citation (search report)  

- [XA] US 2008028123 A1 20080131 - BARTLEY GERALD KEITH [US], et al
- [XA] US 2006136618 A1 20060622 - GOWER KEVIN C [US], et al
- [IA] WO 2007106766 A2 20070920 - RAMBUS INC [US], et al
- [IA] US 6950956 B2 20050927 - ZERBE JARED LEVAN [US], et al
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Citation (examination)  

- US 2005058233 A1 20050317 - NGUYEN HUY [US], et al
- US 2004148482 A1 20040729 - GRUNDY KEVIN P [US], et al

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