

Title (en)

MESOSYNCHRONOUS DATA BUS APPARATUS AND METHOD OF DATA TRANSMISSION

Title (de)

MESOSYNCHRONES DATENBUSGERÄT UND DATENÜBERTRAGUNGSVERFAHREN

Title (fr)

APPAREIL DE BUS DE DONNÉES MÉSOSYNCHRONE ET PROCÉDÉ DE TRANSMISSION DE DONNÉES

Publication

**EP 2201463 A2 20100630 (EN)**

Application

**EP 08836238 A 20081003**

Priority

- US 2008078752 W 20081003
- US 99789907 P 20071005

Abstract (en)

[origin: WO2009046300A2] A memory system is described, where the transmission time of data between memory modules is managed so that the overall time delay between specified points in the memory system is maintained a constant. Each lane of a multilane bus may be separately managed, and a data frame evaluated at the destination module, without a need for deskewing at intermediate modules. The time delay in propagation of the data through a module, which may have a switch to route the data, is reduced by operating the data path through the module at one or more submultiples of the bus serial data rate, and selecting the sampling point of the received data so that variations in time delay due to temperature changes or ageing are accommodated.

IPC 8 full level

**G06F 13/16** (2006.01); **G06F 13/42** (2006.01); **G06F 13/38** (2006.01)

CPC (source: EP)

**G06F 13/4243** (2013.01); **Y02D 10/00** (2017.12)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009046300 A2 20090409**; **WO 2009046300 A3 20090522**; CN 101836193 A 20100915; CN 101836193 B 20121003; EP 2201463 A2 20100630; EP 2201463 A4 20101013; JP 2011502293 A 20110120; KR 101132321 B1 20120405; KR 20100098596 A 20100908

DOCDB simple family (application)

**US 2008078752 W 20081003**; CN 200880111329 A 20081003; EP 08836238 A 20081003; JP 2010528163 A 20081003; KR 20107009902 A 20081003