

Title (en)

METHOD AND APPARATUS FOR INTERMODULE DATA TRANSFER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DATENÜBERTRAGUNG ZWISCHEN MODULEN

Title (fr)

PROCEDE ET APPAREIL DE TRANSFERT DE DONNEES ENTRE DES MODULES

Publication

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Application

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Abstract (en)

[origin: WO9948008A2] A method and apparatus for transferring data between devices in an integrated circuit (100). The devices are coupled to each other through a bus (116, 118, 120, 122, 124, 126) in which tri-state non-contention is insured through the use of turnaround cycles. Signals driven during an address state are turned around during data states while flow control signals are turned around during address cycles. Additionally, the bus of the present invention allows for both master devices (102, 104) and slave devices (106, 108, 110, 112) to regulate the transfer of data. Decentralized decoding also is employed in the transfer.

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