

Title (en)
IMPROVED INTER-DEVICE SERIAL BUS PROTOCOL

Title (de)
VERBESSERTES PROTOKOLL ZWISCHEN GERÄTEN FÜR EINEN SERIELLEN BUS

Title (fr)
PROTOCOLE AMELIORE DE BUS EN SERIE ENTRE DISPOSITIFS

Publication
EP 1145132 A2 20011017 (EN)

Application
EP 99932038 A 19990630

Priority
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Abstract (en)
[origin: WO0002134A2] An inter-device serial bus protocol facilitates the interconnection and communication among various devices via a serial bus. The bus (48) comprises a clock wire, a data wire, and a start/stop wire. A master serial bus interface couples a master device to the serial bus. A slave serial bus interface couples a slave device to the serial bus. The master serial bus interface (180) may comprise a transaction initiator, a data write mechanism, a data read mechanism, and a clock driver. The transaction initiator initiates a transaction by pulling the signal level of the start/stop wire low. The data write mechanism controls the signal level on the data wire in accordance with the data to be written to the slave device. The data read mechanism reads data by monitoring the signal level on the data wire. The clock driver controls the signal level on the clock wire in accordance with a desired clock signal.

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IPC 8 full level
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