ABSTRACT

FILE TRANSFER SYSTEM

A file transfer device, system, and method are provided. The device, system, and method enable a variable number of data transfers and include an initial connection system and a data transfer system. The initial connection system establishes a connection between at least two devices via predetermined listening ports, with at least one predetermined listening port residing within each of the at least two devices. The initial connection system also dynamically assigns a first data port within a first device, and transmits the address of the first data port to a remaining device via the predetermined listening ports. The data transfer system is for each of the variable number of data transfer operations. The data transfer system dynamically assigns a corresponding second data port within the remaining device and transfers data between the connected devices via the data ports so that the data is substantially simultaneously transferred between a variable number of devices via the data ports. Each pair of first and second data ports is established in response to each listening port connection.

Fig. 1