

## **“SYSTEM, METHOD, AND APPARATUS FOR DATA COMMUNICATION”**

### **ABSTRACT OF THE DISCLOSURE**

A system, method, and apparatus for data communication including a transmitter and first processor for data transmission in at least two states of operation, a receiver, memory device, and second processor providing at least two states of operation for processing the data. In a ready state, received data is ready for processing upon reception. In an active state, received data is converted into a different format prior to processing. The transmitter transmits first data associated with the ready state, a first transition command associated with transitioning from the ready state to the active state, second data associated with the active state, and a second transition command associated with transitioning from the active state to the ready state. The second processor processes the first data in the ready state, transitions to the active state, processes the second data in the active state, and transitions to the ready state.

Figure 5