

Abstract

Method and Device for Data Isolation between Safety and Process Control Applications

A method for data isolation between safety and process control applications, including: S1, an exchange data area is allocated for a safety and /or process control task; S2, data isolation exchange between safety and process control applications is performed on the basis of the allocated exchange data area. A device for data isolation between safety and process control applications, including at least two systems having multi-channel architectures, and each channel includes a safety data area and a process data area; and the process control task cannot rewrite the safety data area, and can only read and cannot rewrite a process exchange input area, and the safety control task cannot directly access the process data area, and can only read and cannot rewrite a safety exchange input data area.

Figure 1