

Abstract

Synchronization method

Synchronization method for an automation system (1) which is of redundant design and is composed off at least two subsystems (2, 2') which carry out functionally identical sequences of machine commands (MP) in order to control a process, which sequences of machine commands (MP) have incrementation instructions (IA), for incrementing a synchronization counter (SZ, SZ'), at mutually corresponding points. The synchronization is carried out, using the value of the synchronization counter (SZ, SZ'), at least whenever one subsystem (2, 2') records a special event (11). To this end, a synchronization counter required value (SZZ) is determined, so that the subsystems (2, 2') interrupt the execution of the sequence of machine commands (MP) on reaching a synchronization position (SP) at which the values of the respective synchronization counters (SZ, SZ') reach the synchronization counter required value (SZZ).

FIG 2