

ABSTRACT

**EMBEDDED SYSTEM, EMBEDDED SYSTEM CONTROL METHOD AND
DATA CONSISTENCY JUDGMENT METHOD**

5

The present invention is provided with an embedded system (100) capable of performing control without any malfunction is provided, by including a read start means (211) to start a reading process, a read matching start means (212) to assign a read ID for each reading process, and to update a read ID number indicating the number of read
10 IDs assigned, a reading means (213) to read communication data, a read finish means (214) to finish reading by the reading means, and a read matching finish means (215) to acquire a data writing-in-progress flag indicating whether a writing process is being performed, and a writing time ID number indicating the read ID number at the time of a data writing process, and to judge consistency of data read, based on the data
15 writing-in-progress flag, the read IDs, and a writing time read ID number.