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(54) Title: DATA PROCESSING SYSTEM AND METHOD, AND STORAGE MEDIUM

(54) 发明名称: 数据处理系统、方法和存储介质

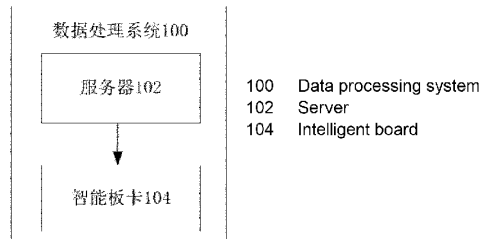


图 1

(57) Abstract: Disclosed in the present invention are a data processing system and method, and a storage medium. The system comprises a server and an intelligent board. The server is connected to the intelligent board by means of a peripheral component interface express (PCIE) physical connecting line, and a serial peripheral interface bus (SPI) is built in the server, wherein the server is used for switching a PCIE interface module of the intelligent board to an SPI trusted measurement interface module of the intelligent board under the condition that the server is powered on and trusted, and the SPI trusted measurement interface module is used for requesting target data to be measured from the server by means of the PCIE physical connecting line; the intelligent board is used for obtaining target data that is sent by the server by means of the SPI and transmitted by means of the PCIE physical connecting line, and carrying out trusted measurement on the target data to obtain a measurement result; and the server is used for switching the SPI to the PCIE under the condition that the measurement result indicates that the server is trusted, and carrying out data transmission by means of the PCIE. According to the present invention, the technical problem of low efficiency of trusted measurement on the server is solved.

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CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN,
TD, TG)。

本国际公布：

— 包括国际检索报告(条约第21条(3))。

(57) 摘要：本发明公开了一种数据处理系统、方法和存储介质。其中，该系统包括：服务器和智能板卡，服务器与智能板卡通过高速串行总线PCIE物理连线连接，服务器内置串行外设接口总线SPI，其中，服务器，用于在上电且可信的情况下，将智能板卡的PCIE接口模块切换到智能板卡的SPI可信度量接口模块，SPI可信度量接口模块用于通过PCIE物理连线向服务器请求待度量的目标数据；其中，智能板卡用于获取服务器通过SPI发送，且通过PCIE物理连线传输的目标数据，对目标数据进行可信度量，得到度量结果；其中，服务器用于在度量结果表示服务器可信的情况下，将SPI切换至PCIE，且通过PCIE进行数据传输。本发明解决了对服务器进行可信度量的效率低的技术问题。