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(54) **Industrial design platform device based on cloud computing architecture.**

(57) The invention provides an industrial design platform device that consists of node management server, control server, data processing server, storage server and client based on cloud computing architecture; the node management server is connected with the client and the control server respectively; the control server is respectively connected with the storage server and the data processing server. The utility model can transfer data computing from client to cloud by design of cloud computing architecture, which can effectively solve the problems that the existing industrial design cannot be used by many people and has high cost of hardware construction, and effectively reduce the industrial design costs of small and medium enterprises.
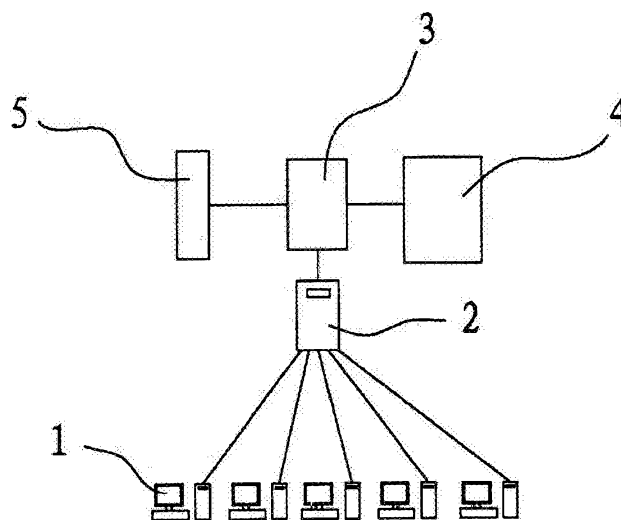
FIGURE 1

Specification

Industrial design platform device based on cloud computing architecture

Technology

The invention relates to the field of computer cloud computing, that is, a kind of industrial design platform device based on cloud computing architecture.

Background technology

Industrial design is a noticeable step in industrial production; with the development of economy and society, people have not only performance, but also appearance demands on products, industrial design is becoming more and more valuable in industrial products; however, because of the need to process complex 3D graphic images, industrial design requires highly on computer hardware, specifically, it is required to have strong data processing capabilities, large storage space to meet the needs of industrial design.

Because of the hardware requirements, the existing computer for industrial design is expensive, maintenance and upgrading are complex, and if a number of users need to use it simultaneously, new equipment must be purchased. This makes the industrial design cost higher construction costs, which is not conducive to the development of small and medium enterprises.

Contents of invention

The purpose of the utility model is to overcome the shortcomings of existing technologies, and provide an industrial design platform device based on cloud computing architecture that can be used by many people at the same time and be easy to maintain and upgrade.

The adopted technical scheme by this invention to solve problems: it is an industrial design platform device that consists of node management server, control server, data processing server, storage server and client based on cloud computing architecture; the node management server is connected with the client and the control server respectively; the control server is respectively connected with the storage server and the data processing server.

The working principle of the utility model: there are multiple nodes connected to the server client, when clients have industrial design data processing requests, the node server will send the requiring data to the control server, then the control server will send the required data to the storage server for storage, then the control server sends the data to the data processing server in time to calculate and process, and stores the results, and sends to the client via the node server.

The utility model is designed by cloud computing architecture that can transfer data processing from client to cloud, which can effectively solve the problems that the existing industrial design

cannot be used by many people and has high cost of hardware construction, and effectively reduce the industrial design costs of small and medium enterprises.

Brief description of drawings

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Figure 1: The structure diagram provided by the embodiment of the invention

Each label in the graph is respectively: (1) client; (2) node server; (3) control server; (4) data processing server; (5) storage server.

Concrete implementation:

In order to make the purpose, technical scheme and advantages of the present invention more clearly understood, the present invention is further described in conjunction with the drawings and embodiment. It should be understood that the specific embodiment described herein is only intended to explain the present invention but not intended to limit the invention.

Embodiment:

It is an industrial design platform device that consists of node management server 2, control server 3, data processing server 4, storage server 5 and client 1 based on cloud computing architecture; the node management server 2 is connected with the client 1 and the control server 3 respectively; the control server 3 is respectively connected with the storage server 5 and the data processing server 4.

Patentansprüche

1. Die Erfindung stellt ein Industriedesign-Plattformgerät bereit, das aus einem Knotenverwaltungsserver, einem Steuerungsserver, einem Datenverarbeitungsserver, einem Speicherserver und einem auf der Cloud-Computing-Architektur basierenden Client besteht; der Knotenverwaltungsserver ist jeweils mit dem Client und dem Steuerungsserver verbunden; der Steuerungsserver ist jeweils mit dem Speicherserver und dem Datenverarbeitungsserver verbunden.
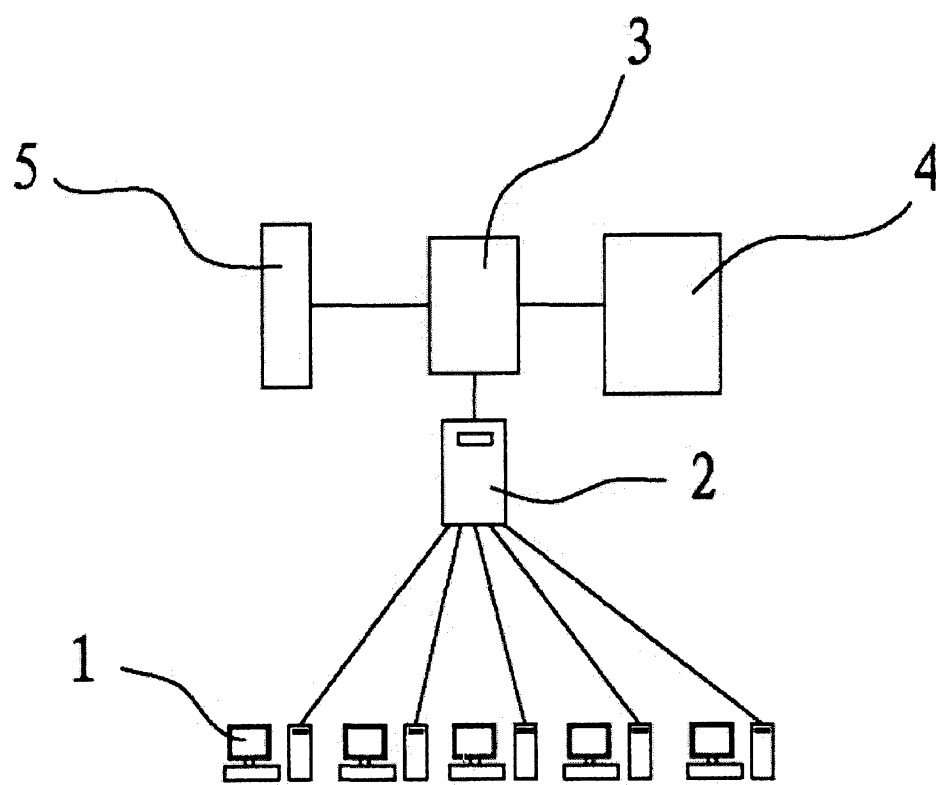
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3

4

2

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FIGURE 1

Abstract

The invention provides an industrial design platform device that consists of node management server, control server, data processing server, storage server and client based on cloud computing architecture; the node management server is connected with the client and the control server respectively; the control server is respectively connected with the storage server and the data processing server. The utility model can transfer data computing from client to cloud by design of cloud computing architecture, which can effectively solve the problems that the existing industrial design cannot be used by many people and has high cost of hardware construction, and effectively reduce the industrial design costs of small and medium enterprises.