

Abstract

A device for a secure data connection of at least one manufacturing machine

The invention relates to a device for a secure data connection of at least one manufacturing machine (104), having an information-processing system (114), which is subdivided into individual zones (108, 110, 112) interconnected by data diodes (120) such that data originating from the machine control (118) of the manufacturing machine (104) in a data flow can be transferred to other zones (108, 110, 112) without the possibility of a data return flow, wherein said zones (110, 112), ordered hierarchically, each have a lower level of data security than the upstream zone (108, 110) in relation to the data flow, and in that every zone (108, 110, 112) is formed as an independent computer in the manner of an isolated application. In addition, the invention relates to a manufacturing machine and a production plant.

Fig. 2