

ABSTRACT

There is provided an intelligent operation system that a machine or apparatus itself can comprehend and judge like humans do, operate the machine or apparatus based on such comprehension and judgment, and recognize a process and a result. An intelligent operation system 11 is constituted by an input device 12, a virtual model data base 13, a virtual model conversion device 14, a virtual model reconstruction device 15, a virtual model processing device 16, and a control device 17 or a display device 57. The virtual model conversion device 14 recognizes information concerning a plurality of objects acquired from the input device 12, specifies corresponding virtual models from the virtual model data base 13, and substitutes them for the objects. The virtual model reconstruction device 15 reconstructs the objects and a relationship between these objects into corresponding virtual models and a relationship between these virtual models in a virtual space. The virtual model processing device 16 comprehends and judges the virtual models and their relationship based on the reconstructed virtual models and their relationship, and instructs the control device 17 or the display device 57.



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