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- (54) Title:** METHOD FOR FORMULATION AND MODELLING OF INTENTIONS IN PROCESS PLANT ENGINEERING

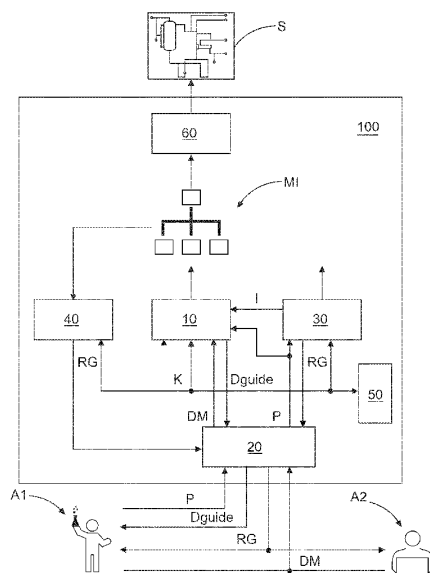


Fig. 1

- (S7) Abstract:** The invention relates to a method for formulation and modelling of intentions in process plant engineering, comprising the steps: formulating (S10), by an assistance system (100), intentions of an actor (A1, A2) by guiding the actor (A1, A2) to provide the intentions (I) to the assistance system (100) in a controlled natural language using semi-formal phrases (P), wherein the intentions (I) are hierarchically structured and comprises at least a goal (IG), describing a goal to be achieved, at least an implementation (II), describing how the goal can be achieved, and at least a requirement (IR), describing requirements for the at least one implementation (II); translating (S20), by the assistance system (100), the intentions (I) into an intention model (MI) wherein the intention model (MI) describes a relationship between the intentions (I); transforming (S30), by the assistance system (100), the intention model (MI) into a graphical representation (RG) of the intention model (MI) and providing the graphical representation (RG) to the actor (A1, A2); modeling (S40), by the assistance system (100), the intention model (MI) using modelling data (DM) provided by the actor (A1, A2), wherein the graphical representation (RG) allows the actor (A1, A2) to provide the modelling data (DM) to the assistance system (100).