

Title (en)

MEASURING A VALUE OF A PHYSICAL VARIABLE OF A TECHNICAL SYSTEM

Title (de)

ERFASSEN EINES WERTS EINER PHYSIKALISCHEN GRÖSSE EINES TECHNISCHEN SYSTEMS

Title (fr)

MESURE D'UNE VALEUR D'UNE GRANDEUR PHYSIQUE D'UN SYSTÈME TECHNIQUE

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Abstract (en)

[origin: WO2022258427A1] The invention relates to an apparatus (100), such as e.g. a virtual sensor, for measuring a value of a physical variable of a technical system. The apparatus comprises a generative machine learning model (GML) that is trained, e.g. on the basis of generative adversarial networks (GANs for short), in such a way as to take at least one value of a first physical variable of a technical system as a basis for generating and outputting at least one value of a second physical variable of the technical system. The apparatus is configured in such a way as to use the generative machine learning model (GML) to generate and output a value (V2) of a second physical variable (PQ1_2) of the technical system on the basis of a measured value (V1) of a first physical variable (PQ1_1) of the technical system.

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