

Title (en)
SYSTEM FOR THE AUTOMATED HARMONISATION OF STRUCTURED DATA FROM DIFFERENT CAPTURE DEVICES

Title (de)
SYSTEM ZUR AUTOMATISIERTEN HARMONISIERUNG STRUKTURIERTER DATEN AUS VERSCHIEDENEN ERFASSUNGSEINRICHTUNGEN

Title (fr)
SYSTÈME POUR L'HARMONISATION AUTOMATISÉE DE DONNÉES STRUCTURÉES À PARTIR DE DIFFÉRENTS DISPOSITIFS D'ACQUISITION

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Application
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Abstract (en)
[origin: WO2022043585A1] The invention relates to a system for the automated harmonisation of structured data from different capture devices, the system comprising the following components: - an input for input data sets in different capture-device-specific data structures, i.e. in each case in a structure as provided by a relevant capture device; - a harmonisation module which forms a harmonisation model that is machine-generated and is configured to transfer a relevant input data set from the relevant system-capture-device-specific structure into at least one harmonised data set in a globally unified, harmonised data structure of the system; - a preprocessing module which forms a preprocessing model that is machine-generated and is configured to transfer data from a harmonised data set in the globally unified, harmonised data structure into data in a model-specific data structure, in particular to carry out a feature reduction such that a data set having preprocessed data in the model-specific data structure represents fewer features than a corresponding data set in the globally unified structure; and - an automated processing device which is configured to process, in an automated manner, preprocessed data in the model-specific data structure, in particular to classify said data, and to generate a loss measure representing possible processing inaccuracy (loss), and to output said loss measure either to the harmonisation model or the preprocessing model.

IPC 8 full level
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