Title (en)

METHOD AND APPARATUS FOR SELECTING A SUBSET OF A PLURALITY OF INPUTS OF A MULTIPLE-INPUT-SINGLE-OUTPUT SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUSWAHL EINER TEILMENGE EINER VIELZAHL VON EINGÄNGEN EINES SYSTEMS MIT MEHREREN EINGÄNGEN UND NUR EINEM AUSGANG

Title (fr)

PROCÉDÉ ET APPAREIL DE SÉLECTION D'UN SOUS-ENSEMBLE D'UNE PLURALITÉ D'ENTRÉES D'UN SYSTÈME D'ENTRÉES MULTIPLES ET DE SORTIE UNIQUE

Publication

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Application

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Abstract (en)

A method for selecting a subset of a plurality of inputs of a Multiple-Input-Single-Output, MISO, system, the MISO system comprising: the plurality of inputs X_i, wherein i = 1, 2, ..., n, and a single output Y. The method comprises steps in a following order:1) calculating a coherence value representing a coherence level between each of the plurality of inputs X_i and the single output Y;2) among the plurality of inputs X_i, selecting an input having a largest coherence value;3) creating a remaining group of inputs, wherein the remaining group of inputs consists all inputs of the plurality of inputs X_i except the previously selected input(s);4) for each input of the remaining group of inputs,generating a corresponding conditioned input by conditioning the input;5) for each conditioned input,calculating a partial coherence value representing a coherence level between the conditioned input and the single output Y;6) among the remaining group of inputs, selecting an input corresponding to a conditioned input having a largest partial coherence value.

IPC 8 full level

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