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(54) Title: REGULATION METHOD

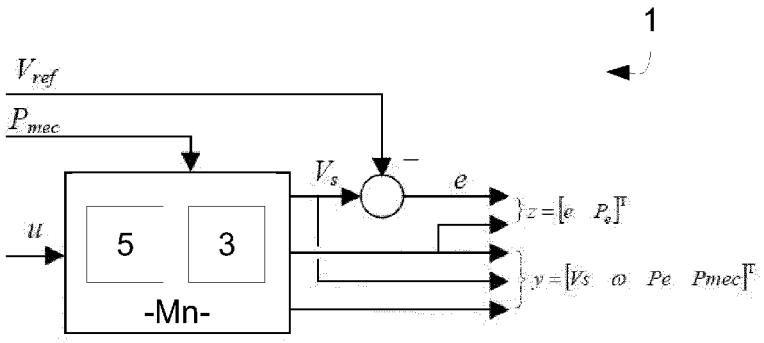


FIG. 2

(57) Abstract: The invention concerns a method for automatic regulation of a system in which a plurality of parameters characteristic of the system are measured and in which at least one control parameter (u) is applied as a function of the measured parameters (y), characterized in that: - a nominal operating point of the system is chosen, - a nominal model (Mn) describing the system at this nominal operating point is determined, - a set of representative models ([Mk]) of the possible variations relative to the nominal model (Mn) is determined, - the error of the nominal model (Mn) of the system is parameterized by decomposition ([δ_{ik}]) over all the errors between the models of the set of models ([Mk]) representative of the possible variations and the nominal model (Mn), - a given optimization criterion (J) is minimized by varying at least one of the previously obtained parameters ([δ_{ik}]) of the error (Δ) relative to the nominal model (M) of the system. The invention also relates to the regulation device configured for applying said method.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009/198350 A1 (THIELE DIRK [US]) 6 August 2009 (2009-08-06) paragraph [0056] - paragraph [0058]; figure 2	1,15
A	WO 01/40806 A1 (METSO PAPER AUTOMATION OY [FI]; SHAKESPEARE JOHN [FI]) 7 June 2001 (2001-06-07) figure 3	1,15

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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