Title (en)
METHOD AND DEVICE FOR PROCESS MONITORING

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PROZESSÜBERWACHUNG

Title (fr)
PROCEDE ET DISPOSITIF DE SURVEILLANCE DE PROCESSUS

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Abstract (en)
[origin: WO9915890A2] The invention relates to a method and a device, in a manufacturing process, for example in the paper pulp, paper, pharmaceutical, food, building material industries, to indicate the characteristics and contents in a suspension in a fluid which flows through a conveying device, e.g. a conveyor line. The mechanical vibrations are recorded directly from the conveying device (12) at least at one place with minimal external influence for a precise time. The recorded vibrations from each place are graded by a data manipulating program (18) according to predetermined characteristics, e.g. frequency, angular and average differences, levels of significance or the like, and a vibration characteristics and/or at least one value related to a vibration characteristics is generated. Stored vibration characteristics and/or values in a memory (19B) relating to earlier vibration recordings with suspensions flowing through the conveyor with analysed contents are compared at each recording with acceptance of the vibration characteristics and/or the value which lies closest to that which is the case for the recorded vibrations. The recorded vibrations can then be used: for controlling the process in a suitable way; for raising alarm when there is a fault; for showing changed tendencies or the like.

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