Title (en)

METHOD AND APPARATUS FOR DETERMINING AT LEAST ONE PARAMETER AS A MATERIAL WEB PASSES THROUGH A GAP FORMED BETWEEN TWO ROTATABLE SURFACES, AND USE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BESTIMMEN ZUMINDEST EINES PARAMETERS BEIM DURCHLAUF EINER MATERIALBAHN DURCH EINEN ZWISCHEN ZWEI ROTIERBAREN OBERFLÄCHEN GEBILDETEN SPALT UND VERWENDUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER AU MOINS UN PARAMÈTRE LORS DU PASSAGE D'UNE BANDE DE MATIÈRE À TRAVERS UNE FENTE FORMÉE ENTRE DEUX SURFACES CAPABLES DE TOURNER ET UTILISATION

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Application

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Abstract (en)

[origin: WO2009043612A1] The invention relates to a method and an apparatus for determining at least one parameter as a material web (3) passes through a gap (5) formed between two rotatable surfaces (11, 12), wherein at least one sensor (4) in at least one of the surfaces (11, 12) provides and evaluates a sequence of measured values (X1, Xn, X14.1, Xn4.1). The solution according to the invention is characterized in that the sequence of measured values (X1, Xn, X14.1, Xn4.1) from the at least one sensor (4) is used to determine a gap width (b), and a force (F) which acts in the gap (5) is determined, in the form of an absolute value, from the gap width (b) and from characteristic variables, in particular elasticity values (E1, E2, E3), which at least indirectly characterize the elasticity of the surfaces (1, 2) and/or of the material web (3), or an elasticity value (E1, E2 or E3) of either at least one of the surfaces (11, 12) or the material web (3) is determined from the gap width (b) and from a force (F) acting in the gap (5).

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