

Title (en)

DETERMINATION OF WEIGHT PER UNIT AREA OF A MATERIAL WEB USING A MICROWAVE SENSOR, THE DISTANCES BETWEEN THE MATERIAL WEB AND THE SURFACES OF THE MICROWAVE SENSOR BEING ADJUSTED TO A CONSTANT VALUE BY MEANS OF AIR CUSHIONS

Title (de)

FLÄCHENGEWICHTSBESTIMMUNG EINER MATERIALBAHN MIT EINEM MIKROWELLENSENSOR, WOBEI DIE ABSTÄNDE ZWISCHEN DER MATERIALBAHN UND DEN OBERFLÄCHEN DES MIKROWELLENSENSORS MIT LUFTKISSEN AUF EINEN KONSTANTEN WERT GEREGLT WERDEN

Title (fr)

DÉTERMINATION D'UNE MASSE SURFACIQUE D'UNE BANDE DE MATÉRIAU AU MOYEN D'UN CAPTEUR À MICRO-ONDES, LES ÉCARTS ENTRE LA BANDE DE MATÉRIAU ET LES SURFACES DU CAPTEUR À MICRO-ONDES ÉTANT RÉGLÉS SUR UNE VALEUR CONSTANTE AU MOYEN DE COUSSINS D'AIR

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Application

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Abstract (en)

[origin: WO2012080010A1] The invention relates to a device for determining the weight per unit area of a moving material web (6), in particular a fibrous material web, said device comprising at least one microwave sensor that has an element for coupling the microwaves (8) and a reference element (9), the coupling element (8) and the reference element (9) being located at a distance from one another in such a way that the material web (6) can be moved therebetween. At least one microwave sensor element, the coupling element (8) and/or the reference element (9) can be moved such that the distances (a, b) between the material web (6) and the elements (8, 9) can be adjusted for or during the measurement of the moving material web.

IPC 8 full level

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