

Title (en)

METHOD FOR THE CONTACTLESS DETERMINATION OF THE THICKNESS OF A WEB OF MATERIAL

Title (de)

VERFAHREN ZUR BERÜHRUNGSLOSEN BESTIMMUNG DER DICKE EINER MATERIALBAHN

Title (fr)

PROCÉDÉ DE DÉTERMINATION SANS CONTACT DE L'ÉPAISSEUR D'UNE BANDE DE MATÉRIAU

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Application

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Abstract (en)

[origin: WO2011000667A1] The invention relates to a method for the contactless determination of the thickness of a web of material, especially a web of fibrous material, by means of a sensor array comprising at least two measurement plates, between which the web can be guided. An air cushion is generated between each measurement plate and the web so as to keep the measurement plates at a distance from the web. Said method is characterized in that a sensor array is used which comprises at least one magnetic sensor as well as optical distance measuring devices, wherein the distance between the measurement plates arranged on opposite sides of the web is magnetically determined, while the distance between a measurement plate and the web is determined using optical distance measuring devices which are located on the measurement plates arranged on opposite sides of the web.

IPC 8 full level

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