

Title (en)

METHOD AND DEVICE FOR MEASURING THE WEIGHT OF AN ENDLESS FLOW OF WEB-SHAPED FIBER MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG DES GEWICHTES EINES ENDLOSEN STROMES BAHNFÖRMIGEN FASERMATERIALS

Title (fr)

PROCÉDÉ ET DISPOSITIF SERVANT À MESURER LE POIDS D'UN FLUX SANS FIN D'UN MATÉRIAU FIBREUX EN BANDE

Publication

**EP 2545213 B1 20150506 (DE)**

Application

**EP 11714922 A 20110211**

Priority

- EP 10002347 A 20100308
- DE 2011000133 W 20110211
- EP 11714922 A 20110211

Abstract (en)

[origin: WO2011110145A1] The invention relates to a method and device for measuring the weight of an endless flow of web-shaped fiber material, which is conveyed on a circulating conveyor belt, wherein a signal corresponding to the weight of the fiber material on the conveyor belt is generated by means of an associated measuring system and said signal is used in particular to control a machine that processes the fiber material. According to the invention, a signal corresponding to the mass per unit area and the weight per unit area of the material is determined downstream of the measuring system (GS, TBW) of the conveyor belt (TBW) in the conveying direction. The signal is considered in the evaluation of the weight signal detected in the area of the circulating conveyor belt (TBW). In addition, a signal of a measuring device (M) for determining the mass per unit area and the weight per unit area of the fiber material (F, V) is fed to an evaluating device (A), wherein the measuring device (M) is arranged downstream of the conveyor belt (TBW) in the conveying direction.

IPC 8 full level

**D01G 21/00** (2006.01); **D01G 23/04** (2006.01); **D01G 23/06** (2006.01); **D01G 31/00** (2006.01); **D04H 1/70** (2012.01)

CPC (source: EP)

**D01G 21/00** (2013.01); **D01G 23/04** (2013.01); **D01G 23/06** (2013.01); **D01G 31/006** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011110145 A1 20110915**; CN 102884231 A 20130116; CN 102884231 B 20160224; DE 112011100828 A5 20121227; EP 2545213 A1 20130116; EP 2545213 B1 20150506

DOCDB simple family (application)

**DE 2011000133 W 20110211**; CN 201180023052 A 20110211; DE 112011100828 T 20110211; EP 11714922 A 20110211