

Title (en)

SYSTEM AND METHOD FOR PRODUCING GLASS FIBER FIBROUS NON-WOVEN FABRIC, AND FIBROUS NON-WOVEN FABRIC PRODUCED USING SAME

Title (de)

ANLAGE UND VERFAHREN ZUR HERSTELLUNG VON FASERVLIES AUF DER BASIS VON GLASFASERN UND DAMIT HERGESTELLTES FASERVLIES

Title (fr)

INSTALLATION ET PROCÉDÉ POUR PRODUIRE UN NON-TISSÉ À BASE DE FIBRES DE VERRE ET NON-TISSÉ DE FIBRES AINSI PRODUIT

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Application

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Abstract (en)

[origin: WO2011035782A1] The invention relates to a system and method for producing glass fiber fibrous non-woven fabric (FL), and to the non-woven fabric (FL) produced using same, in particular as a semi-finished product or final product, which is used preferably for damping and/or insulating purposes. The system for producing glass fiber fibrous non-woven fabric comprises a fiber opening device for dispersing the glass fibers and aligning the glass fibers in an oriented or non-oriented manner and forming a fibrous web (F), a first unit (3) for reorienting the oriented or non-oriented fibers of the fibrous web (F) into fibers that assume a random position, wherein the volume of the fibrous web (F) is increased/the density of the fibrous web is decreased, an elevating belt (2), which conveys the fibrous web (F) from the fiber opening device to the first unit (3), and a second unit (4), on which a homogeneous one-layer fiber non-woven fabric (FL) having fibers in a random position is formed from the fibrous web (F) of the first unit (3) on a laying belt (7), the weight per unit area of the homogeneous one-layer fiber non-woven fabric being a multiple of the weight per unit area of the fibrous web (F).

IPC 8 full level

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