

Title (en)

ELECTRICALLY CONDUCTIVE CONVEYOR BELT HAVING FILLER OBJECTS HAVING A NANOSTRUCTURE AND METHOD FOR PRODUCTION

Title (de)

ELEKTRISCH LEITENDES TRANSPORTBAND MIT FÜLLSTOFFOBJEKTEN MIT EINER NANOSTRUKTUR UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

BANDE TRANSPORTEUSE ÉLECTRIQUEMENT CONDUCTRICE CONTENANT DES OBJETS DE CHARGE DOTÉS D'UNE NANOSTRUCTURE ET PROCÉDÉ DE FABRICATION

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Application

EP 14736788 A 20140707

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Abstract (en)

[origin: WO2015004072A1] The invention relates to a conveyor belt (8) for transporting a fiber material to be pneumatically compressed which is composed, at least in a region that conducts fiber material, of an air-permeable sheet material, in particular a woven fabric (5), made of plastic filaments. The plastic filaments (15) are at least partially electrically conductive. The electrically conductive plastic filaments (15) contain electrically conductive filler objects, which have a nanostructure and are made of a ductile material. In a method for producing a conveyor belt (8) for transporting a fiber material to be pneumatically compressed, plastic filaments (15) are extruded from a plastic mass, which plastic filaments are at least partially electrically conductive and are processed furthered to form the sheet material. Before the extrusion, electrically conductive filler objects are added to the plastic mass, which filler objects have a nanostructure and are made of a ductile material.

IPC 8 full level

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CPC (source: EP)

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