

Title (en)

METHOD FOR PRODUCING SECONDARY CARBON FIBERS AND/OR GLASS FIBERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SEKUNDÄREN CARBON- UND/ODER GLASFASERN

Title (fr)

PROCÉDÉ DE PRODUCTION DE FIBRES DE CARBONE ET/OU DE VERRE SECONDAIRES

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Abstract (en)

[origin: WO2013190145A1] The invention relates to a method for producing secondary carbon fibers and/or glass fibers comprising the following steps: a) comminuting waste parts and/or scrap parts from a carbon-fiber-reinforced plastic, from a glass-fiber-reinforced plastic, or from a mixture of carbon-fiber-reinforced plastics and glass-fiber reinforced plastics, and (b) performing a heat treatment with the comminuted waste parts and/or scrap parts obtained in step a) in an atmosphere containing oxygen, wherein the heat treatment is carried out in such a way that part of the plastic contained in the waste parts and/or scrap parts is decomposed into resinous coke and the rest of the plastic is burned to form gas(es), such that carbon fibers, glass fibers, or a mixture of carbon fibers and glass fibers is obtained, said fibers having 3 to 30 wt% of resinous coke in relation to the total weight of said fibers.

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