

Title (en)

Carbon fibers sized with a sizing agent.

Title (de)

Mit einem Schlichtmittel geschlichtete Kohlenstoffasern.

Title (fr)

Fibres en carbone encollées par un agent d'encollage.

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Application

EP 90314224 A 19901224

Priority

JP 34089789 A 19891229

Abstract (en)

Petroleum pitch-derived carbon fibers coated with a sizing agent are disclosed. The sizing agent includes the following ingredients (a)-(c): (a) an epoxy resin having a number average molecular weight of 550-1600 wherein the content of epoxy resin components which are equivalent to polystyrenes having a molecular weight of 10000 or more with respect to retention time in gel permeation chromatography is less than 5 mol %, (b) at least one ether compound of the general formula: X - O - Y wherein X represents a polyoxyalkylene group and Y represents an aromatic group; and (c) an ester compound selected from unsaturated fatty acid esters of an aliphatic monohydric alcohol and aliphatic monocarboxylic acid esters of an unsaturated aliphatic monohydric alcohol, wherein the amounts of ingredients (a)-(c) are 55-84 %, 15-35 % and 1-25 %, respectively, based on the total weight of ingredients (a)-(c). a

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CPC (source: EP KR)

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