

Title (en)

MULTILAYERED, FLEXIBLE PAPER CONTAINING CARBON, WITH GOOD FLEXURAL STRENGTH

Title (de)

MEHRSCHICHTIGES, FLEXIBLES, KOHLENSTOFFHALTIGES SCHICHTPAPIER MIT HOHER BIEGESTEIFIGKEIT

Title (fr)

PAPIER CONTRECOLLE MULTICOUCHE FLEXIBLE, CONTENANT DU CARBONE, A HAUTE RIGIDITE A LA FLEXION

Publication

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Application

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Priority

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Abstract (en)

[origin: DE10052223A1] The invention relates to electroconductive layered paper with a layer structure consisting of at least one first, one second and one third layer, comprising at least one electroconductive material in the form of carbon fibres. Said first, second and third layers are produced or deposited one after the other in an air stream, using the Airlaid technique. The carbon fibres lie predominantly in the plane of the layer in the first layer (1), increasingly at a slant and/or increasingly perpendicular to the plane of the layer in the second layer (2) and are located on top of the second layer in the third layer (3) in a ground form. The invention also relates to a method for producing electroconductive layered paper and to its use as a gas diffusion electrode in polymer electrolyte membrane fuel cells.

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CPC (source: EP US)

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