

Title (en)

USE OF DIAZONIUM SALTS FOR THE FORMATION OF THICK LAYERS ON AT LEAST ONE SURFACE OF A SUBSTRATE

Title (de)

VERWENDUNG VON DIAZONIUMSALZEN ZUR HERSTELLUNG DICKER SCHICHTEN AUF MINDESTENS EINER OBERFLÄCHE EINES SUBSTRATS

Title (fr)

UTILISATION DE SELS DE DIAZONIUM POUR LA FORMATION DE COUCHES EPAISSES SUR AU MOINS UNE SURFACE D'UN SUBSTRAT

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Application

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Abstract (en)

[origin: WO2012029035A1] The invention relates to the use of diazonium salts for the formation of thick layers on at least one surface of a substrate. The diazonium salts used in the invention have the following formula (I): wherein R is a group that can be electrochemically reduced in a reversible manner to a cathodic potential between 0 and -1.5 V, E is a spacer chain consisting of at least one aromatic cyclic group having between 5 and 6 links, optionally containing at least one heteroatom preferably selected from N, S, O or P and optionally substituted by at least one group selected from the C1-C5 alkyls and the halogens, r is 1 or 2, m is a whole number between 1 and 5 inclusive, p is a whole number between 1 and 5, and B is a counter-ion. The invention can be especially applied to the field of gas sensors.

IPC 8 full level

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