

Title (en)

METHODS FOR TREATING SURFACES OF A HYDROGEN GENERATION REACTOR CHAMBER

Title (de)

VERFAHREN ZUR BEHANDLUNG VON FLÄCHEN EINER WASSERSTOFFERZEUGUNGSREAKTORKAMMER

Title (fr)

PROCEDES PERMETTANT DE TRAITER LES SURFACES DE LA CHAMBRE D'UN REACTEUR GENERATEUR D'HYDROGENE

Publication

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Application

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Abstract (en)

[origin: WO2005049224A1] A method of applying a catalyst to a substrate surface of a reactor chamber comprises applying to the substrate surface a mixture having particles of the catalyst, optionally particles of a ductile material, and a gas, at an application temperature and with an application kinetic energy, causing bonding of the particles to the substrate surface. The particles have a melting temperature and the application temperature is lower than the melting temperature of the particles. At least part of the particles mechanically deform upon application of the mixture at the application temperature and at the application kinetic energy. Application of the mixture having particles of the catalyst onto the substrate surface can be preceded by application of a first mixture comprising particles of a ductile material and gas.

IPC 8 full level

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