

Title (en)

MEDIUM FOR PHOTOCATALYTIC FILTER AND METHOD OF MANUFACTURING IT

Title (de)

MEDIA FÜR PHOTOKATALYTISCHEN FILTER UND VERFAHEREN ZU SEINER HERSTELLUNG

Title (fr)

MEDIA POUR FILTRE PHOTOCATALYTIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2009019388A1] The invention relates to a gas purifier that comprises a photocatalytic-action filtration medium, a system for the UV-lighting of said medium, a retarder means or an analyser of a volatile organic compound, a means for automatically adjusting the speed of the gas flowing therethrough or for adjusting the intensity of the UV-lighting, said adjustment being made based on the time determined by the retarder means or based on the content of the volatile organic compound analysed by the analyser. The invention also relates to a method for purifying a gas using a purifier that comprises a photocatalytic-action filtration medium and a system for the UV-lighting of said medium, according to which, when the concentration of a compound in the gas is higher than a value V1, the operation mode of the purifier is lower than the mode thereof when the concentration of the compound in the gas is lower than a value V2, V2 being lower than or equal to V1. The invention also relates to a method for purifying a gas using a purifier that comprises photocatalytic-action filtration medium, a system for the UV-lighting of said medium, and a retarder means for controlling the mode of the purifier.

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