

Title (en)
PURIFIER CONTAINING A PHOTOCATALYTIC FILTER

Title (de)
REINIGER MIT EINEM PHOTOKATALYTISCHEN FILTER

Title (fr)
EPURATEUR COMPRENANT UN FILTRE PHOTOCATALYTIQUE

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Application
EP 08827099 A 20080717

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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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