

Title (en)

AIR PURIFICATION METHOD AND AIR PURIFICATION DEVICE FOR IMPLEMENTING SAME

Title (de)

LUFTREINIGUNGSVERFAHREN UND LUFTREINIGUNGSVORRICHTUNG ZU SEINER UMSETZUNG

Title (fr)

PROCEDE DE PURIFICATION D'AIR ET APPAREIL EPURATEUR D'AIR POUR SA MISE EN OEUVRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008122871A2] The invention relates to the purification of indoor air using a method that essentially comprises forcing the air to be processed to flow through an active medium exposed to a germicidal radiation in the presence of a photocatalytic material contained therein, with a destructive action on the microorganisms optionally present in the air and retained in the active medium such as reduced and/or weakened due to the impact on wall members provided therefor in the active medium. A first active medium includes a mass made in the form of a three-dimensional network of walls with photocatalytic surfaces and located in the immediate vicinity of a germicidal radiation source. A second active medium includes a liquid mass in which particles with a photocatalytic surface are dispersed and submitted to a germicidal radiation. The liquid mass is agitated by feeding air therein in order to generate a vortex.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008122871A2

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