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Patent Search

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Abstract:

ABSTRACT The present invention describes an air purifying curtain assembly and working method thereof. In the present invention, the assembly is equipped with a fan (4), at bottom of the curtain which entrap the air from outside. Further the carbon filter (7), present in the product helps with volatile organic particles and the HEPA filter 6, trap the other impurities in it, after which the filtered air moved outside through inner (3), and outer (2), layer of curtain. Accompanied Drawings [FIG.1-4]

[Complete Specification](#)

DESC:FIELD OF INVENTION:

This invention generally relates to the field of the air purifying systems, assemblies, techniques and methods, and more particularly relates to an air purifying curtain assembly and working method thereof and working method thereof.

BACKGROUND OF THE INVENTION

As the world's population rises, pollution levels rise, and more people start buying air purifiers for their homes, the problem of poor indoor air quality is only partially addressed by the currently available primary air purification facilities' fresh air systems. As a result, there are a number of things that need fixing, including the fact that the initial stage of installation isn't yet complete and that stringing, breaking walls, and covering the ceiling with fur is required in every single room. The pipeline is beautiful, but the whole cost is considerable, and in the long run, you'll need to use power to clean the air. Despite the fact that air purifiers can filter out contaminants and clean the air, they are unable to facilitate any gas exchanges.

There are few references for the present invention as given below:

CN110280078A relates to an air purification, and disclose a kind of curtain for facilitating indoor air purification circulation. This facilitates the curtain of indoor air purification circulation, including curtain body, guiding slide bar, limited block, slip ring, circulation road, purification device, brush dirt device and fixed device, the top movable of the curtain body is connected with circulation road, and the top movable of the circulation road is connected with slip ring. This facilitates the curtain of indoor air purification circulation, pass through brush dirt device, electric motor carries out reduction of speed by reduction of speed device, slows down velocity of rotation, and electric motor drives driving wheel rotation. to drive driven wheel rotation by conveyer belt and the hummer post and dust removal brush installed on a moving belt brush

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