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(54) Designation: **Aerosol protection device and aerosol protection arrangement.**

(57) Main claim: Aerosol protection device comprising a base body (1), a surface element (2) and an air guide unit (3),

wherein the base body (1) supports the surface element (2), wherein the surface element (2) comprises a separating disc unit

(4) and a support frame (5),

wherein the cutting disk unit (4) comprises a first and a second cutting disk (4.1, 4.2), which are arranged spaced apart and vertically and substantially plane-parallel to each other and form an upwardly and downwardly open disk cavity (4.3),

wherein the support frame (5) accommodates the separating discs (4.1, 4.2) and determines their positional relationship to one another, and the surface element (2) forms a first (6a) and a second (6b) room air zone delimited by a respective separating disc outer side,

wherein the air guide unit (3) comprises a first (7a) and a second air extraction unit (7b), a blower unit (8), an air treatment unit (9) and an air output unit (10),

wherein the first air extraction unit (7a) is associated with the first room air zone (6a) and comprises a first air inlet (7a.1) and a first inlet air duct, and wherein the first air inlet (7a.1) is designed to take return air from the first room air zone (6a) and wherein the first inlet air duct connects the first air inlet (7a.1) to the air treatment unit (9) and is designed to supply return air from the first room air zone (6a) to the air purification unit,

wherein the second air extraction unit (7b) is associated with the second room air zone (6b) and comprises a second air inlet (7b.1) and a second inlet air duct and wherein the second air inlet (7b.1) is adapted to extract a return air from the second room air zone (6b).

and wherein the second inlet air duct connects the second air inlet (7b.1) to the air treatment unit (9) and is designed to supply return air from the second room air zone (6b) to the air purification unit, wherein the air treatment unit (9) is designed to reduce a microbiological load of the return air and to provide clean air from the return air, wherein the air outlet unit (10) comprises an outlet air duct and an air outlet (10.1), the outlet air duct connecting the air treatment unit (9) to the air outlet (10.1) and being adapted to supply the clean air to the air outlet (10.1), wherein the window space (4.3) forms a portion of the outlet air channel and an upper opening of the window space (4.3) forms the air outlet (10.1), wherein the ...

