

Title (en)

TREATMENT CUBICLE AND A METHOD OF VENTILATING A TREATMENT CUBICLE

Title (de)

BEARBEITUNGSKABINE UND VERFAHREN ZUM BELÜFTEN EINER BEARBEITUNGSKABINE

Title (fr)

CABINE DE TRAITEMENT ET PROCEDE POUR L'AERATION D'UNE TELLE CABINE

Publication

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Application

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Abstract (en)

[origin: US5762548A] PCT No. PCT/EP95/01837 Sec. 371 Date Dec. 10, 1996 Sec. 102(e) Date Dec. 10, 1996 PCT Filed May 15, 1995 PCT Pub. No. WO95/31292 PCT Pub. Date Nov. 23, 1995A method and apparatus of ventilating a treatment cubicle such as a painting or spraying cubicle used for painting items such as vehicle bodies. Wherein fresh air to be supplied to the cubicle is supplied via an air-permeable ceiling (1); and air supply chamber (2) is provided above the ceiling (1) and communicates with an inlet air chamber (3) which is connected via at least one aperture (4) to a fresh air supply system. The volume of fresh air flowing into the air supply chamber (2) can be regulated by altering the aperture (4). The proposed process is characterized by the fact that at least some of the fresh air drawn into the inlet air chamber (3) is forced to flow in a path parallel to the ceiling (1) for a predetermined distance before passing via the aperture (4) into the air supply chamber (2), while the parameters needed to regulate the fresh air flow are measured in the end region of the directed air stream.

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