



G00002

PAINT SPRAYING BOOTH

ABSTRACT OF THE DISCLOSURE

In a paint spraying booth, water shower for trapping a paint mist is sprayed from a spray nozzle provided in an air passage defined in a bent air tunnel and inclined with respect to an inlet opening between a spraying room and the bent air tunnel. The bending of the air tunnel is intended to prevent the spraying sound from being transmitted directly to the inlet opening, that is, into the spraying room, namely, to attenuate the spraying sound by reflection by the bent wall of the air tunnel. Further, the wall of the air passage, beaten by the water shower, is formed separately from the wall of a water-flow plate facing the spraying room to prevent the noise from being transmitted directly to the spraying room. Also, a shield plate is provided just before the intake side of an exhaust fan provided at the top of the spraying room to define an air detour around it. The shield plate is to attenuate a sound from the exhaust fan without being transmitted directly to the inlet opening.

FIGURE 2



162162