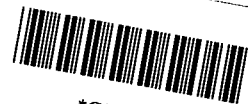


A B S T R A C T

A paint booth (10) is provided with a purifier (12). The purifier (12) includes a water tank (20), pump (21), water cord formation mechanism (22), sludge removal mechanism (26), exhaust mechanism (28), and barrier member (70). The water cord formation mechanism (22) includes a water case (40) located in an upper part of a spray chamber (11). A large number of nozzles (50) are formed in a bottom wall (45) of the water case (40). Each nozzle (50) includes a tubular portion (56), the inside diameter of which is reduced downward from an inlet (55), and a circular outlet (57). Water falling in straight lines from the outlet (57) forms a large number of parallel water cords (60). Paint mist is collected as air containing the paint mist contacts the water cords (60). An exhaust chamber (71) is formed on the back side of the barrier member (70).



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