

Title (en)
COMPRESSED-AIR BLOWING DEVICE

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Application
EP 88109106 A 19880608

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• DE 3725672 A 19870803
• DE 8805752 U 19880430

Abstract (en)
[origin: US4867380A] The invention relates to a pistol grip type compressed air blower having a handle (2) with a compressed air connection element and an air valve, on which a support body is placed with a turbulence tube (15). On one end section, the support body (26) is formed with a cold air nozzle (18) that has a passage (63) that is coaxial with the center axis of turbulence tube (15) and on an opposite end section, the support body is formed with a warm air nozzle with a hole that is coaxial to the center axis of turbulence tube (15). In some embodiments, the warm air nozzle is adjustable. A turbulence chamber with at least one hole directed tangentially into the interior space of the turbulence chamber is connected between the cold air nozzle (18) and the turbulence tube (15), and receives compressed air via a duct (14) of the handle that is connected to the compressed air connection element via the air valve. Turbulence chamber (40) is formed by a flanged disk that rests on the cold air nozzle (18). The flanged disk has a center hole (42), on one side of which is placed a socket for holding the flanged disk on the cold air nozzle and on the other side of which is formed a continuous outside edge flange (44) in which are formed slot-shaped grooves that tangentially end into a center recess serving as the interior space of the turbulence chamber. The passage of the nozzle body of the cold air nozzle (18) is designed as a diffuser. The cold air nozzle (18) and warm air nozzle (21) may each be detachably connected to a sound damper (82, 83).

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IPC 8 full level
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Cited by
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