

Title (en)
A BLOWING DEVICE HAVING A LOW NOISE LEVEL.

Title (de)
GEBLÄSEVORRICHTUNG MIT NIEDRIGEM GERÄUSCHPEGEL.

Title (fr)
SOUFFLANTE DE FAIBLE NIVEAU SONORE.

Publication
EP 0016042 A1 19801001 (EN)

Application
EP 79900651 A 19800129

Priority
SE 7806883 A 19780614

Abstract (en)
[origin: GB2047574A] A blowing device comprises a body part with a connection (8) for a pressurized, gaseous fluid, an exhaust nozzle (17) and a valve (11, 13) having an adjustable fluid passage located between said connection and said nozzle. The nozzle is provided with a plurality of exhaust channels (30) for said fluid and the through-flow area of the valve fluid passage is substantially larger than the sum of the through-flow areas of said exhaust channels thereby preventing the generation of harmful noise by said device while obtaining a strong blowing power. The exhaust channels are distributed substantially evenly in the circumferential direction of said nozzle (17) and the external mantle surface of the exhaust nozzle is formed so as to allow a substantial coejection of outside air by the fluid flow ejected from said nozzle.

Abstract (fr)
Une soufflante comprend un corps avec une connection (8) d'arrivee d'un fluide gazeux sous pression, un ajutage de refoulement (17) et une soupape (11, 13) ayant un passage de fluides reglable situe entre ladite connection et ledit ajutage. L'ajutage possede une pluralite de canaux de refoulement (30) pour le fluide et la zone d'ecoulement de passage du fluide dans la soupape est sensiblement plus grande que la somme des zones d'ecoulement desdits canaux de refoulement empechant ainsi que ce dispositif ne produise un bruit prejudiciable tout en obtenant une grande puissance de soufflage. Les canaux de sortie ou refoulement sont repartis regulierement dans le sens circonferentiel dudit ajutage (17) et la surface du manteau externe de l'ajutage de refoulement est formee de maniere a permettre une co-ejection de l'air exterieur par l'ecoulement fluide ejecte dudit ajutage.

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