

Title (en)

SIDE CHANNEL BLOWER, IN PARTICULAR A SECONDARY AIR BLOWER FOR AN INTERNAL COMBUSTION MACHINE

Title (de)

SEITENKANALGEBLÄSE, INSBESONDERE SEKUNDÄRLUFTGEBLÄSE FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

SOUFFLANTE À CANAL LATÉRAL, EN PARTICULIER SOUFFLANTE D'AIR SECONDAIRE POUR UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012041625A1] Side channel blowers having devices for minimizing noise emissions are known that do not, however, sufficiently reduce noise when the control valve is closed. The invention therefore proposes a side channel blower, in which further recesses (72, 64) are formed in the interruption region (32, 34) before the inlet (8) and after the outlet (22), the smallest distance therebetween being 0.5 to 3 times the distance between two conveying blades (26). Such an embodiment achieves further noise reduction, even when the control valve is closed, without reducing the maximum flow rate.

IPC 8 full level

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