

Title (en)

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

Title (de)

SEITENKANALGEBLÄSE, INSBESONDERE SEKUNDÄRLUFTGEBLÄSE FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

COMPRESSEURS À CANAL LATÉRAL, EN PARTICULIER COMPRESSEURS D'AIR SECONDAIRES POUR UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3728860 A1 20201028 (DE)

Application

EP 18716283 A 20180410

Priority

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- EP 2018059176 W 20180410

Abstract (en)

[origin: WO2019120633A1] Side channel blowers having devices for minimizing noise emissions are known, but are often not adequate and limit the volumetric flow to be delivered, or have low efficiency. For that reason, what is proposed is a side channel blower in which the first and the second lateral edges (64, 66) span a first plane E1 which, together with a second plane E2 that is spanned by the ejection opening (60), encloses an angle $\alpha \geq 30^\circ$, such that the outlet opening (62) extends into the radially bounding wall (33). An embodiment of this kind substantially increases the efficiency and the maximum volumetric flow to be delivered.

IPC 8 full level

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CPC (source: EP)

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