

Title (en)
BLOWER ESPECIALLY FOR VENTILATING ELECTRONIC DEVICES

Title (de)
LÜFTER INSBESONDERE ZUR BELÜFTUNG VON ELEKTRONISCHEN GERÄTEN

Title (fr)
VENTILATEUR, NOTAMMENT POUR LA VENTILATION DE SYSTEMES ELECTRONIQUES

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Application
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Abstract (en)
[origin: WO0183994A1] The invention relates to a blower, especially for a personal computer. The aim of the invention is to reduce the noise produced by such a blower. To this end, the inventive blower comprises: a) a blower housing (10) that limits a flow channel (24) on the exterior by means of a guide surface (22); b) a rotor (18) that is mounted in the blower housing (10) so as to be rotatable about an axis of rotation (12) and that limits the flow channel (24) on the interior by means of its hub (14); c) a rotary drive (20) for the rotor (18) which is disposed in the hub (14); d) the blades (16) of the rotor (18) are asymmetrically distributed across the periphery of the hub (14) and are configured as radial blades; e) the guide surface (22) and the hub (14), in the blade zone between the leading edge (34) of the blade and the trailing edge (36) of the blade, when looked at in the direction of flow, have a conical or slightly bent and widening shape, and the cross-flow surface inside the flow channel (24) remains constant or is reduced.

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