

ABSTRACT



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5 A centrifugal blower includes an impeller (10) having a hub (11), a shroud (12)
disposed at a specified distance from the hub (11) in opposed relation thereto, and a plurality of
vanes (13) extending between an outer periphery of the hub (11) and an outer periphery of the
shroud (12) and arranged generally radially around an axis of the hub (11). Rear edges (13b) of
the vanes (13) have a saw teeth configuration (20) zigzagged in the longitudinal direction of the
vane (13) and extending widthwise of the vane (13). Therefore, in the rear edge (13b) a longer
10 vane portion and a shorter vane portion alternately exist, so that a combined air current flow
resulting from meeting of air current flowing along the pressure surface side with air current
flowing along the negative pressure surface side is gradually performed stepwise over the entire
length of the rear edge. Thus, pressure gradient and velocity loss of air current are reduced
due to meeting of air currents at the rear edge (13b), with the result that air turbulence at the
15 rear edge (13b) is restrained and air blast noise is reduced accordingly.

Figure 1



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