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(54) **Bell-mouth structure of air blower**

(57) A bell-mouth structure of an air blower provided around a blade wheel of an axial-flow air blower for guiding air from an air suction side of the blade wheel to an air blow-out side including an air blow-out wall portion that intercommunicates with an air blow-out opening and extends substantially along an axial direction of the blade wheel, and a slope wall portion that intercommunicates

with the air blow-out wall portion and slopes to an air suction opening so as to expand in diameter. When the overall height of the bell-mouth is represented by H, the height of the slope wall portion is represented by h and a slope angle of the slope wall portion is represented by β , the bell mouth structure is configured so as to satisfy $0.33 \leq h/H \leq 0.42$ and $60^\circ \leq \beta \leq 70^\circ$.

FIG.3A

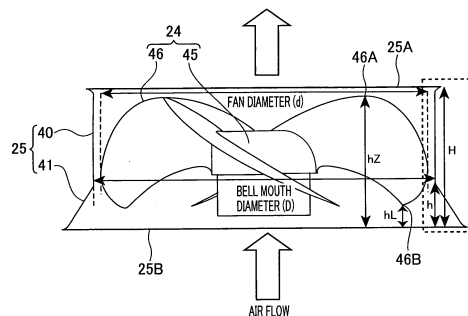
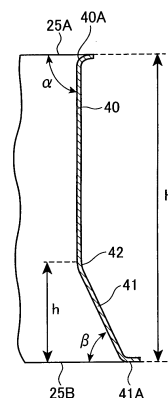


FIG.3B





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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F24F F04D
Place of search Munich		Date of completion of the search 6 October 2014	Examiner Anconetani, Mirco
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ANNEX TO THE EUROPEAN SEARCH REPORT
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