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(54) **Once-through blower**

(57) A once-through blower including a once-through impeller (8) is described. The blower includes a blowout duct (10), a stabilizer (13) and a scroll casing (9). The stabilizer (13) provided at an end of the blowout duct (10) so as to face the once-through impeller (8). The scroll casing (9) is provided at the back of the once-through impeller (8) and connected to the blowout duct (10). The stabilizer (13) has a curved surface (18) which is formed along an arc (15). The diameter of the arc (15) is 103% or more of that of the once-through impeller (8). The scroll casing (9) has an interior curved surface (19) which is formed along a casing arc. The casing arc is concentric with the arc center (21). A clearance between a predetermined outer peripheral point (23) of the once-through impeller (8) and the inflow-side end of the scroll casing (9) is set so as to become 3% or more of the diameter of the once-through impeller (8).

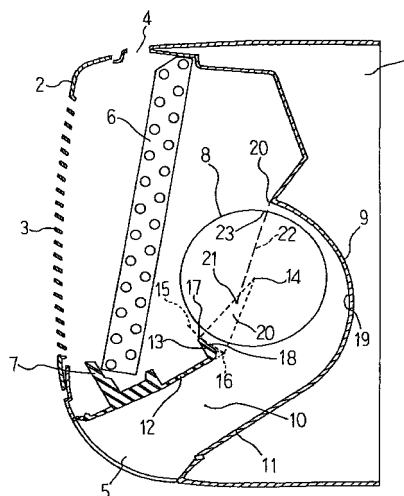


FIG. 1

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# EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>16 March 2000</b>	Examiner <b>Teerling, J</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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