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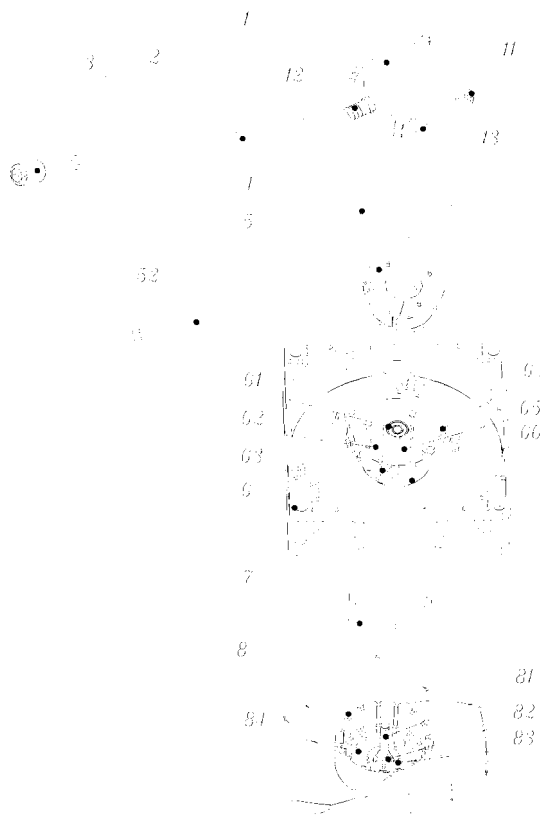
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(54) **A waterproof, dust-proof and salt fog-proof cooling fan**

(57) The invention relates to a waterproof, dust-proof and salt fog-proof cooling fan, comprising a fan frame 6, wherein a fixed round table 66 is arranged at center part of the fan frame 6, a fixed sleeve 65 is arranged at center of the round table 66. Moreover, an annular U-shaped slot 64 is arranged at the end surface of the round table 66, and a sealing ring 4 is an-anged in the U-shaped slot 64. The cooling fan further comprises a waterproof cover body 1, wherein the waterproof cover body 1 is connected on the fan frame 6 through the sealing ring 4. Furthermore, it comprises an axial fan hub 8 with a reversed taper shaped fixed table 82 stretching from the center of the inner cavity of the axial fan hub 8, and the fixed table 82 connects with the main shaft 81. The foresaid round table 66 is a blind hole 62 with its opening at bottom side of the fan frame, the round table 66, sealing ring 4 and the foresaid cover body 1 form a sealed cavity, and the stator and circuit board assembly 5 are arranged in the sealed cavity. In this way, the cooling fan shows effective waterproof, dustproof and salt dog-proof performance.





EUROPEAN SEARCH REPORT

Application Number
EP 08 16 4436

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 12 May 2010	Examiner Homan, Peter
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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