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(54) **Air diffuser**

(57) An air diffuser is provided for rooms and similar spaces, the diffuser being intended for mounting at the end of an air duct ending on the surface of a wall, ceiling or similar structure, and the air diffuser comprising a diagonal bridge (1) or a similar member with a hollow-cavity flow control disc (3) affixed thereto, and a diffuser body, whereby the flow control disc has an actuator (4) connected thereto for moving the flow control disc between two limit positions called the minimum-opening position and the maximum-opening position. The invention is implemented by way of using as the actuator a stepper motor (4) mounted in the hollow cavity of the flow control disc (3) and having its shaft equipped with an outer thread which cooperates with a compatible inner thread made in a central hole of the diagonal bridge member (1) of the diffuser.

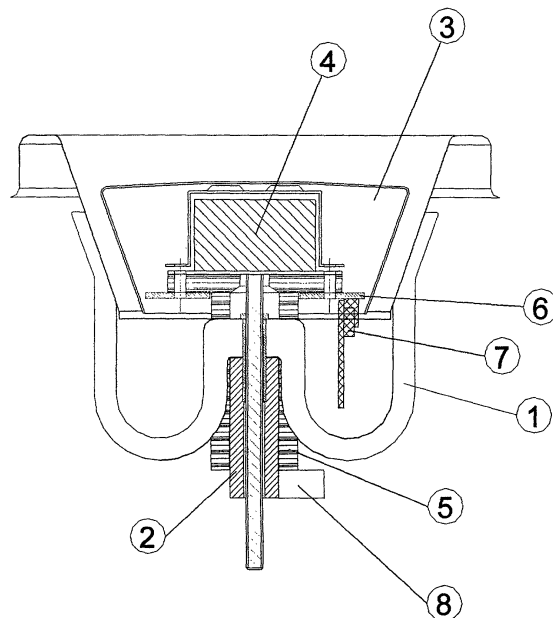


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 02 07 8023

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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P,Y	EP 1 197 694 A2 (FLAEKT OY [FI]) 17 April 2002 (2002-04-17) * abstract; figures 2,3 *	1-6	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
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Place of search		Date of completion of the search	Examiner
Munich		26 September 2006	Valenza, Davide
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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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. The members are as contained in the European Patent Office EDP file on
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