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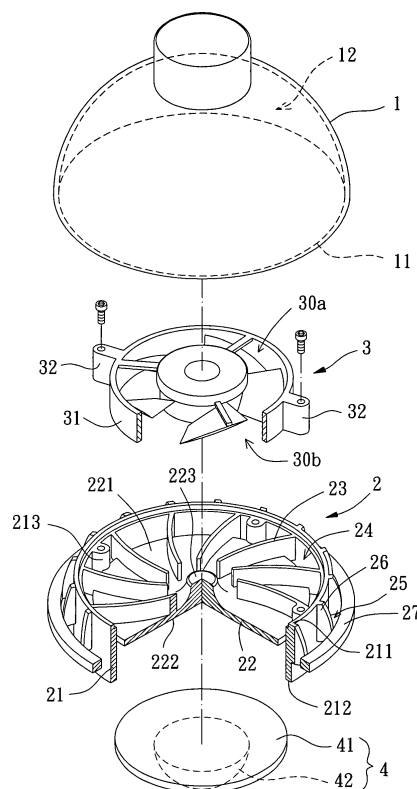
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(54) **Lamp and heat sink thereof**

(57) A lamp comprises a housing (1, 1'), a heat sink (2, 7), a fan (3, 6) and a light-emitting element (42). The housing (1, 1') includes an opening end (11, 11') and a compartment (12, 12') communicating with the opening end (11, 11'). The lamp is characterized in that the heat sink (2, 7) is disposed at the opening end (11, 11') and includes a lateral wall (21, 71), a base (22, 72), a plurality of first connection members (23, 73), a plurality of first air channels (24, 74) and at least one second air channel (25, 75). The base (22, 72) is surrounded by and spaced from the lateral wall (21, 71). The base (22, 72) is connected to an inner circumferential wall of the lateral wall (21, 71) via the first connection members (23, 73), wherein each of the first air channels (24, 74) is formed between adjacent two of the first connection members (23, 73). The at least one second air channel (25, 75) is formed between an outer circumferential wall of the lateral wall (21, 71) and an inner face of the housing (1, 1'). The fan (3, 6) is disposed at one side of the heat sink (2, 7) in the compartment (12, 12'). The light-emitting element (42) is disposed at another side of the heat sink (2, 7).



**FIG. 3**



## EUROPEAN SEARCH REPORT

Application Number  
EP 10 01 0466

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	DE 10 2007 040444 A1 (OSRAM GMBH [DE] OSRAM AG [DE]) 5 March 2009 (2009-03-05) * figure 2 *	1-4,11, 12,15	TECHNICAL FIELDS SEARCHED (IPC)  F21V F21K F21S
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>23 April 2013</b>	Examiner <b>Demirel, Mehmet</b>
<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 &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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