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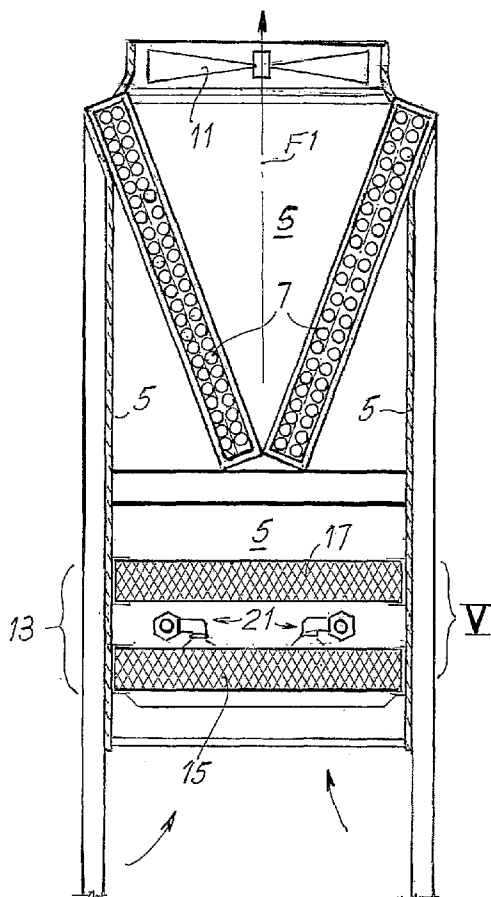
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[Continued on next page]

(54) **Title:** A CONVECTOR FOR COOLING OF A FLUID CIRCULATING IN A PIPE



(57) **Abstract:** The convector comprises at least one finned tube bundle (7) in the tubes of which said fluid to be cooled is made to circulate and at least one fan (11) producing an air flow that strikes the outside of said finned tubes. The convector comprises an adiabatic chamber (13) through which said air flow (F1) passes, positioned upstream of the tube bundle (7), inside which water is nebulized and vaporized. The adiabatic chamber (13) is defined by side walls (5) and by at least two evaporation honeycomb fill packs (15, 17).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F28D F28B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 477 756 A (BALTIMORE AIRCOIL CO INC [US]) 17 November 2004 (2004-11-17)	1-8
X	paragraph [0015] paragraph [0029] - paragraph [0030] paragraph [0043] paragraph [0047] abstract; figure 5	9
A	US 4 367 183 A (CARBONARO MARIO G B [BE]) 4 January 1983 (1983-01-04) column 2, lines 36-53; figure 1	1-8
A	WO 2004/085946 A (MENTUS HOLDING AG [CH]; WEIDMANN URS A [CH]) 7 October 2004 (2004-10-07) abstract; figure 3	1-8

Further documents are listed in the continuation of Box C.

See patent family annex.

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- *&* document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/IT2006/000561

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
EP 1477756	A	17-11-2004	NONE	
US 4367183	A	04-01-1983	NONE	
WO 2004085946	A	07-10-2004	AU 2004223811 A1 CN 1759289 A EP 1608927 A1 US 2006191413 A1	07-10-2004 12-04-2006 28-12-2005 31-08-2006