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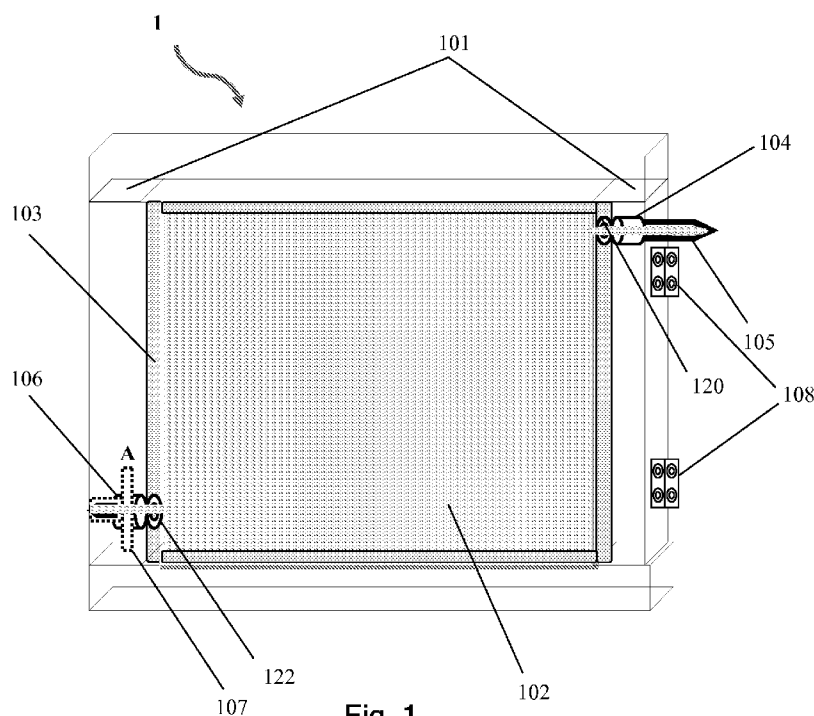
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(54) Title: TEMPERATURE REGULATION SYSTEM AND METHOD



(57) Abstract: An installation in which the temperature within a building is regulated by circulating water from, or through a heat exchanger which is in thermal communication with, a heat sink such as a water tank, underground water source, body of water or tank of phase changing material, through window units or through a heat source which is in thermal communication with a heater, between the window panes, to cool or heat the interior of the building.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
F24F E06B

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 43 18 192 A1 (KUHN DIETER [DE]) 8 December 1994 (1994-12-08)	1-17,25, 30-33, 37-39
Y	the whole document	21,22, 28,29,34
X	----- DE 37 16 563 A1 (HOLZER WALTER [DE]) 23 June 1988 (1988-06-23)	1-7, 10-17, 25, 30-33, 37-39
Y	the whole document	21,22, 28,29,34
	----- -/-	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 075 464 A1 (MCKEE FREDERICK BRIAN) 30 March 1983 (1983-03-30)	1-3,6,7, 30-33, 37-39
Y	figures 1,2	21,22, 28,29,34
X	----- EP 0 402 529 A1 (MONTICELLI IVAN [IT]) 19 December 1990 (1990-12-19)	1-3,6,7, 30-33, 37-39
Y	the whole document	21,22, 28,29,34
X	----- JP 2006 336233 A (JUST THOKAI KK) 14 December 2006 (2006-12-14)	1-3,6,7, 30-33, 37-39
Y	* abstract	21,22, 28,29,34
A	----- EP 0 368 707 A1 (SAINT GOBAIN VITRAGE [FR]) 16 May 1990 (1990-05-16) * abstract -----	1-42

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2010/053934

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4318192	A1	08-12-1994	NONE
DE 3716563	A1	23-06-1988	NONE
EP 0075464	A1	30-03-1983	AU 556981 B2 27-11-1986 DE 3279712 D1 29-06-1989 GR 77339 A1 11-09-1984 US 4561221 A 31-12-1985 ZA 8206854 A 31-08-1983
EP 0402529	A1	19-12-1990	IT 1234279 B 14-05-1992
JP 2006336233	A	14-12-2006	NONE
EP 0368707	A1	16-05-1990	CA 2001598 A1 27-04-1990 DE 68908848 D1 07-10-1993 DE 68908848 T2 14-04-1994 DK 532689 A 28-04-1990 ES 2045509 T3 16-01-1994 FI 91012 B 14-01-1994 FR 2638513 A1 04-05-1990 JP 2157385 A 18-06-1990 JP 2877386 B2 31-03-1999 NO 894077 A 30-04-1990