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(54) Title: POSITIVE AIR PRESSURE ICE MAKING AND DISPENSING SYSTEM

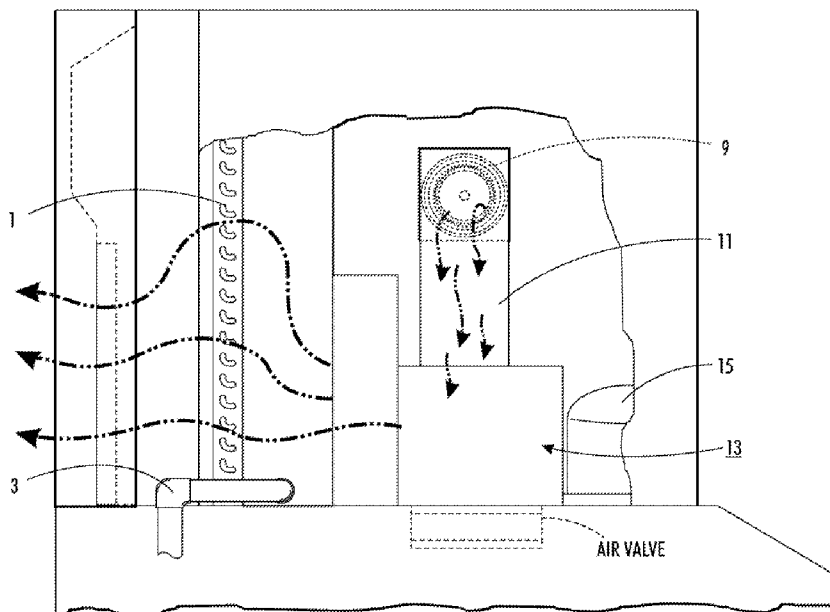


FIG. 2

(57) Abstract: An aseptic ice making system includes an ice making system to receive water from a water supply. The ice making system includes an ice producing subsystem to produce ice and a positive air pressure subsystem to maintain a positive air pressure environment within the ice making system.



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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 42 09 162 A1 (MITSUBISHI ELECTRIC CORP [JP]) 1 October 1992 (1992-10-01) column 3, line 44 - line 51 column 3, line 63 - column 4, line 24 column 4, line 49 - column 5, line 2 figure 1	1,2,4,6, 11,12, 14,16,17
X	US 2010/139306 A1 (KRENİK THOMAS R [US]) 10 June 2010 (2010-06-10)	1,2,4,6, 11,12, 14,16
Y	paragraph [0049] paragraph [0053] paragraph [0121] paragraph [0132] paragraph [0138]	3,5, 7-10,13, 15,17-20
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Correia dos Reis, I
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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.
Y	US 2007/196244 A1 (CROFT CARLTON R [US]) 23 August 2007 (2007-08-23) paragraph [0005] - paragraph [0006] paragraph [0026] figures 1-6	3,5,7, 13,15,17
Y	----- US 6 506 428 B1 (BERGE J ERIC [US] ET AL) 14 January 2003 (2003-01-14) paragraph [0013] paragraph [0026] figure 1	8-10, 18-20
A	----- US 6 561 691 B1 (MCCANN GERALD P [US] ET AL) 13 May 2003 (2003-05-13) the whole document	1-20
A	----- US 6 224 297 B1 (MCCANN GERALD [US] ET AL) 1 May 2001 (2001-05-01) the whole document	1-20
A	----- EP 0 466 428 A2 (EOLAS IRISH SCIENCE & TECH [IE] FORFAS [IE]) 15 January 1992 (1992-01-15) the whole document	1-20
A	----- EP 1 598 618 A1 (LG ELECTRONICS INC [KR]) 23 November 2005 (2005-11-23) paragraph [0053] - paragraph [0054] -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2012/023565

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4209162	A1	01-10-1992	DE 4209162 A1 01-10-1992
			JP 2618104 B2 11-06-1997
			JP H04295573 A 20-10-1992
			US 5216890 A 08-06-1993

US 2010139306	A1	10-06-2010	CN 101749888 A 23-06-2010
			US 2010139306 A1 10-06-2010

US 2007196244	A1	23-08-2007	US 2007196244 A1 23-08-2007
			WO 2007100537 A2 07-09-2007

US 6506428	B1	14-01-2003	NONE

US 6561691	B1	13-05-2003	US 6561691 B1 13-05-2003
			US 2004156263 A1 12-08-2004

US 6224297	B1	01-05-2001	NONE

EP 0466428	A2	15-01-1992	AT 153751 T 15-06-1997
			DE 69126247 D1 03-07-1997
			DE 69126247 T2 08-01-1998
			EP 0466428 A2 15-01-1992
			US 5354152 A 11-10-1994
			US 5549421 A 27-08-1996

EP 1598618	A1	23-11-2005	CN 1699900 A 23-11-2005
			EP 1598618 A1 23-11-2005
			KR 20050109844 A 22-11-2005
			US 2005252232 A1 17-11-2005
			US 2008041088 A1 21-02-2008
