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(71) Applicant *(for all designated States except US)*: **EMP ADVANCED DEVELOPMENT, LLC** [US/US]; 2701 N. 30th Street, Escanaba, MI 49829 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ALLEN, David, J.** [US/US]; 5972 Norway Pine, Gladstone, MI 49837 (US). **AERTS, Kim, S.** [US/US]; N16907 Co. Road 563, Powers, MI 49874 (US). **BURCH, Bradley, O.** [US/US]; 5150 CR420/21ST Road, Gladstone, MI 48937 (US). **CARDWELL, Matthew, W.** [US/US]; 12202 Farmfield Road, Rock, MI 49880 (US). **WASILEWSKI, Kurt, J.** [US/US]; 1058 Hwy M-35, Bark River, MI 49807 (US).

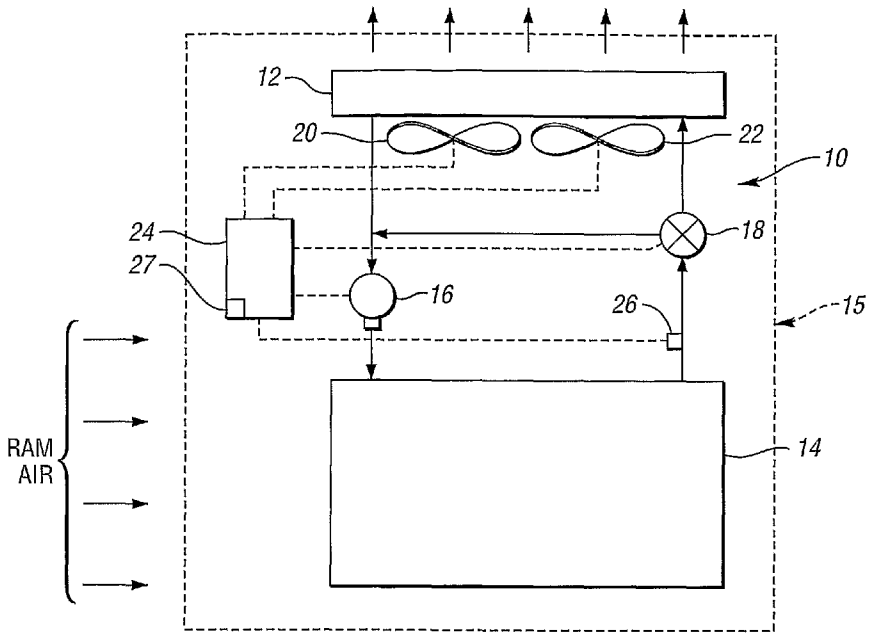
(74) Agents: **MALOOLEY, Marc, F.** et al.; Brooks Kushman, 1000 Town Center, Twenty-Second Floor, Southfield, MI 48075 (US).

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(54) Title: COOLING SYSTEM AND METHOD FOR COOLING A HEAT PRODUCING SYSTEM



(57) Abstract: A cooling system for a heat producing system includes a heat exchanger in fluid communication with the heat producing system. The heat exchanger is configured to receive a temperature control fluid therethrough. A first fan is operable in a first rotational direction to move air through the heat exchanger in a first direction. A second fan is disposed radially adjacent to the first fan, and is operable in a second rotational direction opposite the first rotational direction to move air through the heat exchanger in the first direction. A control system, including at least one controller, is provided for controlling operation of the fans.

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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

— *of inventorship (Rule 4.17(iv))*

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A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - F01P 7/08(2006.01),7/10(2006.01);F04D 25/16(2006.01)
USPC - 123/41.49 ; 180/68.1; 236/35
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)
IPC(8) - F01P 7/8, 7/10; F04D 25/16 (2007.01)
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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 practicable, search terms used)
MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 4,797,600 (SAVAGE et al) 10 January 1989 (10.01.1989) entire document	1, 2, 9-11 --- 3-5, 12, 13, 16, 19
X -- Y	US 5,901,672 A (SUZUKI et al) 11 May 1999 (11.05.1999) entire document	25 --- 1, 6-9, 14-17, 20, 21, 26-29
Y	US 2003/0183433 A1 (MACKELVIE) 02 October 2003 (02.10.2003) entire document	3, 12, 13, 26
Y	JP 9-322387 A (AZUMA) 12 December 1997 (12.12.1997) entire document	4, 5, 18, 19, 23, 24
Y	EP 0 0004 448 A1 (BEARD) 03 October 1979 (03.10.1979) entire document	1, 6-9, 14-20, 23, 24, 27, 29
Y	US 4,651,922 A (NOBA) 24 March 1987 (24.03.1987) entire document	7, 15, 21, 29
A	US 1,966,874 A (COBB) 07 August 1934 (07.08.1934) entire document	1-29

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Date of the actual completion of the international search	Date of mailing of the international search report
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