Substitute Disclosure Form	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 48656-0003RE2	Application No. 17/541,072
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant SYSTEMEX-ENERGIES INTERNATIONAL INC.	
(37 CFR §1.98(b))		Filing Date December 2, 2021	Group Art Unit 3992

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Filing Date If Appropriate	Class	Subclass
	1.	6064572	5/16/2000	Remsburg			
	2.	6349554	2/26/2002	Patel et al.			
	3.	6595014	7/22/2003	Malone et al.			
	4.	6612120	9/2/2003	Patel et al.			
	5.	7061104	6/13/2006	Kenny Jr. et al.			
	6.	7100381	9/5/2006	Hale et al.			
	7.	7134289	11/14/2006	Patel et al.			
	8.	7261144	8/28/2007	Thome et al.			
	9.	7477513	1/13/2009	Cader et al.			
	10.	7545644	6/9/2009	Fedorov			
	11.	7549298	6/23/2009	Bash et al.			
	12.	7836706	11/23/2010	Tilton et al.			
	13.	7882890	2/8/2011	Manzer			
	14.	8009419	8/30/2011	Attlesey et al.			
	15.	8061414	11/22/2011	Suzuki et al.			
	16.	8087256	1/3/2012	Babkin et al.			
	17.	8983676	3/17/2015	Sharma et al.			
	18.	9500414	11/22/2016	Tonkovich et al.			
	19.	9543787	1/10/2017	Duchesneay			
	20.	9655279	5/16/2017	Pelletier et al.			
	21.	11126212	9/21/2021	Jasmin			
	22.	20020163782	11/7/2002	Cole et al.			
	23.	20030214783	11/20/2003	Narakino et al.			
	24.	20040182544	9/23/2004	Lee et al.			
	25.	20050141196	6/30/2005	Yamatani et al.			
	26.	20050185378	8/25/2005	Tilton et al.			

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	28.	20060137860	6/29/2006	Prasher			
	29.	20060162363	7/27/2006	Sharma et al.			
	30.	20060187638	8/24/2006	Vinson et al.			
	31.	20070023169	2/1/2007	Mahalingam et al.			
	32.	20070070600	3/29/2007	Tomioka et al.			
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	36.	20080093058	4/24/2008	Kim			
	37.	20080104970	4/8/2008	Suzuki et al.			
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	39.	20080179041	7/31/2008	Hu et al.			
	40.	20080236795	10/2/2008	You et al.			
	41.	20080237845	10/2/2008	Kim et al.			
	42.	20080264604	10/30/2008	Campbell et al.			
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	44.	20080314565	12/25/2008	Martin et al.			
	45.	20090052136	2/26/2009	Chung			
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	47.	20090161301	6/25/2009	Woody et al.			
	48.	20090234705	9/17/2009	Brunschwiler et al.			
	49.	20090260783	10/22/2009	Suzuki et al.			
	50.	20090284911	11/19/2009	Morehead			
	51.	20100061058	3/11/2010	Tanabe et al.			
	52.	20100118494	5/13/2010	Campbell et al.			

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	54.	20100206527	8/19/2010	Hu et al.			
	55.	20100263838	10/21/2010	Mahalingam et al.			
	56.	20100290188	11/18/2010	Brunschwiler et al.			
	57.	20100296248	11/25/2010	Campbell et al.			
	58.	20100328891	12/30/2010	Campbell et al			
	59.	20110043999	2/24/2011	Johnston et al.			
	60.	20110044001	2/24/2011	Olesen et al.			
	61.	20110075353	3/31/2011	Attlesey			
	62.	20110075373	3/31/2011	Campbell et al.			
	63.	20110134604	6/9/2011	Attlesey			
	64.	20110308231	12/22/2011	Carpenter et al.			
	65.	20110317367	12/29/2011	Campbell et al.			
	66.	20120087088	4/12/2012	Killion et al.			
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	70.	20140218859	8/7/2014	Shelnutt et al.			
	71.	20140247557	9/4/2014	Qiu et al.			
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	73.	20150075000	3/19/2015	Cox et al.			
	74.	20150245539	8/27/2015	Pelletier et al.			
	75.	20160128231	5/5/2016	Wagoner et al.			
	76.	20160242319	8/18/2016	Edwards et al.			
	77.	20170105313	4/13/2017	Shedd et al.			

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U.S. Patent Documents

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	78.	20170138223	5/18/2017	Kontomaris			
	79.	20170138678	4/18/2017	Jaikumar et al.			
	80.	20170176114	6/22/2017	Kandlikar et al.			
	81.	20170179001	6/22/2020	Brunschwiler et al.			
	82.	20170191765	7/6/2020	Lee et al.			
	83.	20180064002	3/1/2018	France et al.			
	84.	20190324486	10/24/2019	Jasmin			
	85.	20220236757	7/28/2022	Jasmin			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Translation	Class	Subclass
	86.	WO 2007137019	11/29/2007	WO			

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	87.	Bar-Cohen et al., "Direct Liquid Cooling of High Flux Micro and Nano Electronic Components," Proceedings of the IEEE, August 2006, 94(8):1549-1570
	88.	Campbell et al., "Numerical Prediction of the Junction-to-Fluid Thermal Resistance of a 2-Phase Immersion-Cooled IBM Dual Core POWER6 Processor," 28th IEEE SEMI-THERM Symposium, 2012, 9 pages
	89.	Hopton et al., "Enclosed Liquid Natural Convection as a Means of Transferring Heat from Microelectronics to Cold Plates," 29th IEEE SEMI-THERM Symposium, 2013, pages 60-64
	90.	International Preliminary Report on Patentability in International Appln. No. PCT/CA2013/000821, mailed on March 26, 2015, 7 pages
	91.	International Search Report and Written Opinion in International Appln. No. PCT/CA2013/000821, mailed on January 13, 2014, 9 pages
	92.	Notice of Allowance in US Appln. No. 15/418,339, dated April 5, 2019, 12 pages
	93.	Office Action in US Appln. No. 15/418,339, dated November 2, 2017, 16 pages

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Information Disclosure Statement by Applicant (Use several sheets if necessary)	48656-0003RE2	17/541,072
	Applicant: SYSTEMEX-ENERGIES INTERNATIONAL INC.	
(37 CFR §1.98(b))	Filing Date: December 2, 2021	Group Art Unit: 3992

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	94.	Office Action in US Appln. No. 15/418,339, dated June 14, 2018, 16 pages
	95.	Ogbonnaya et al., "MEMS-BASED PHASE CHANGE FOR HEAT TRANSFER WITH THERMOELECTRIC DEVICES AND ENERGY HARVESTING," Proceedings of the ASME 2011 International Mechanical Engineering Congress & Exposition IMECE2011, November 11-17, 2011, 7 pages
	96.	Ouchi et al., "Thermal Management Systems for Data Centers with Liquid Cooling Technique,"13th IEEE 1TH ERM Conference, 2012, 9 pages
	97.	Pearson et al., "Single- and Two-Phase Flow in Microchannels With Heat Transfer and Driven by an EHD Conduction Pump," Proceedings of the ASME 2011 International Mechanical Engineering Congress & Exposition IMECE2011, November 11-17 2011, 16 pages
	98.	Bar-Cohen et al., "Direct Liquid Cooling of High Flux Micro and Nano Electronic Components," Proceedings of the IEEE, August 2006, 94(8):1549-1570

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	:	Marc-Antoine Pelletier	Art Unit	:	3992
Application No.	:	17/541,072	Examiner	:	Fred O. Ferris III
Filed	:	December 2, 2021	Conf. No.	:	3099
Title	:	APPARATUS AND METHODS FOR COOLING A CPU USING A LIQUID BATH			

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the documents listed on the disclosure form submitted with this statement. Copies of the documents are being submitted with this statement to the extent required under 37 C.F.R. § 1.98(a)(2). Copies of communications from a foreign patent office in a counterpart application are also being submitted.

Under 35 U.S.C. § 120, this application relies on the earlier filing date of application number 16/414,610, filed on May 16, 2019, which relies on the earlier filing date of application number 14/428,269, filed on March 13, 2015. The documents corresponding to Desig. ID Nos. 20-21, 74, 84-85 and 90 have not been submitted to and/or cited by the Office in the prior application. All other listed documents were submitted to and/or cited by the Office in the prior application.

This statement is being filed before the receipt of a first action on the merits.

Apply any necessary charges or credits applicable under 37 C.F.R. § 1.17(p) to deposit account 06-1050, referencing the above attorney docket number.

Please contact the undersigned if there are any questions regarding this statement.

Respectfully submitted,

Date: August 17, 2022

/Sean M. Dean/
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