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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	16158915
Filing Date	2018-10-12
First Named Inventor	Brian Doud
Art Unit	1784
Examiner Name	
Attorney Docket Number	POWD 200033US05

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6422314		2002-07-23	Todd et al.	
	2	6444316		2002-09-03	Reddy et al.	
	3	6527051		2003-03-04	Reddy et al.	
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	7	8211247		2012-07-03	Marya et al.	
	8	8211248		2012-07-03	Marya	

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	9	8211331		2012-07-03	Jorgensen et al.	
	10	8327931		2012-12-11	Agrawal et al.	
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	21	5106702		1992-04-21	Walker et al.	
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	26	4875948		1989-10-24	Vernecker	

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	1	20070181224		2007-08-09	Marya et al.	
	2	20050194141		2005-09-08	Sinclair et al.	

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	3	20060175059		2006-08-10	Sinclair et al.	
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	34	20130220496		2013-08-20	Inoue	

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	1	1992013978	WO		1992-08-20	Allied-Signal Inc.		
	2	2013019410	WO		2013-02-07	Baker Hughes Incorporated		
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	11	2088217	EP		2009-08-12	Okamato		
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	14	103343271	CN		2013-10-09	Central South University		
	15	102796928	CN		2012-11-28	Shenyang Aerospace University		

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	SIGWORTH et al. "Grain Refinement of Aluminum Castings Alloys" American Foundry Society; Paper 07–67; pp. 5-7 (2007)	
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	4	PEGEUT et al.., "Influence of cold working on the pitting corrosion resistance of stainless steel" Corrosion Science, Vol. 49, pp. 1933-1948 (2007)	

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	5	Elemental Charts from chemicalelements.com; retrieved July 27, 2017	
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	8	TROJANOVA et al., "Mechanical and Acoustic Properties of Magnesium Alloys..." Light Metal Alloys Application, Chapter 8, Published 11 June 2014 (doi: 10.5772/57454) pg.163, para. [0008], [0014-0015]; [0041-0043]	
	9	AZoNano "Silicon Carbide Nanoparticles-Properties, Applications" http://www.amazon.com/articles.aspx? ArticleD=3396) pg 2, Physical Properties, Thermal Properties (May 9, 2013)	
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	12	LAN et al., "Microstructure and Microhardness of SiC Nanoparticles..." Materials Science and Engineering A; 386:284-290 (2004)	☐
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EXAMINER SIGNATURE

Examiner Signature	/ANTHONY J ZIMMER/	Date Considered	03/27/2020

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/bet/	Date (YYYY-MM-DD)	2018-12-05
Name/Print	Brian E. Turung	Registration Number	35394

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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