

Disclosure of Invention and New Technology (Including Software)

Form Approved O.M.B. NO. 2700-0009

DATE

CONTRACTOR CASE NO.

This is an important legal document. Carefully complete and forward to the Patent Representative (NASA in-house innovation) or New Technology Representative (contractor/grantee innovation) at NASA. Use of this report form by contractor/grantee is optional; however, an alternative format must

NASA CASE NO. (OFFICIAL USE ONLY)

at a minimum contain the information required herein. NASA in-house disclosures should be read, understood and signed by a technically competent witness in the witness signature block at the end of this form. In completing each section, use whatever detail deemed appropriate for a "full and complete disclosure." Contractors/Grantees please refer to the New Technology or Patent Rights – Retention by the Contractor clauses. When necessary, attach additional documentation to provide a full, detailed description.

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1. DESCRIPTIVE TITLE			
Utilizing Lunar Regolith in Manufacturing High Strength Fiberglass			
2. INNOVATOR(S) (For each innovator provide: Name, Title, Work Address, Work Phone Number, and Work E-mail Address. If multiple innovators, number each to match Box 5.)			
Brayden Wadsworth, Principal Investigator, Boise State University, braydenwhitaker@u.boisestate.edu			
Vishnu Murthy, Project Manager and Business Analyst, Georgia Institute of Technology, vmurthy35@gatech.edu			
Jack Reddick, Chief Scientist, Saddleback College, jreddick3@saddleback.edu			
Roger Nguyen, Lead Systems Engineer, University of California, rqnguyen@ucsd.edu			
Varad Lad, Material Scientist, Arizona State University, vlad3@asu.edu			
Kacie Anderson, CAD Engineer, University of Central Florida, Kaciemaiw@knights.UCF.edu			

	I INNOVATION WAS MADE (For each innovator provide: No Contract/Grant Number if applicable. If multiple innovators, nunlical & Biomedical Engineering,		
Georgia Institute of Technology, George W. Wo 801 Ferst Dr NW, Atlanta, GA 30318	oodruff School of Mechanical Engineering,		
Saddleback College, Division of Mathematics, 28000 Marguerite Pkwy, Mission Viejo, CA 926			
University of California, San Diego, Mechanica 9500 Gilman Dr, La Jolla, 92093	al and Aerospace Engineering		
Arizona State University, School for MTE 975 S. Myrtle Avenue, Tempe, AZ, 85281			
University of Central Florida, UCF Department 4000 Central Florida Blvd, Orlando, FL, 32816	t of Mechanical and Aerospace Engineering		
4. PLACE OF PERFORMANCE (Address(es) where innovation made)			
1910 W University Dr, Boise, ID, 83725			
5. EMPLOYER STATUS (choose 6.)	ORIGIN (Check all that apply and provide all applicable numbe	us If multiple Contugate/Cuguts etc. list	
one for each innovator)	Contract/Grant Numbers in Box 3 with applicable employer info	rmation.)	
Innovator #1 Innovator #2	NASA In-house Org. Mail Code Grant/Cooperative Agreement No. 80NSSC19M0186	· WBS · WBS	
cu cu	Prime Contract No.	· WBS	
Innovator #3 Innovator #4	Task No. Report No.	:	
cu cu	Subcontractor; Subcontract Tier Joint Effort (contractor, subcontractor and/or grantee	WBS	
GE = Government	contribution(s), and NASA in-house contribution)	:	
CU = College or University	Multiple Effort (multiple contractor, subcontractor	:	
NP = Non-Profit Organization SB = Small Business Firm LE = Large Entity	and/or grantee contributions, no NASA in-house contribution) Other (e.g., Space Act Agreement, MOA) No.	: : WBS	
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7. NASA CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	8. CONTRACTOR/GRANTEE NEW TECHNOLOGY REPRESENTATIVE (POC)
John Dankanich	Space Tech Mission Directorate
9. BRIEF ABSTRACT (A general description of the innovation which describes its capabil duplication or imitation of the innovation.)	lities, but does not reveal details that would enable
The present innovation is a new extrusion device capable of creating fiberglass made almost entirely of an efficient, in-situ manufacturing method that has the potential for expedited construction during fudemonstrate a significantly increased tensile strength with a decreased fiber diameter, allowing for the applications.	uture lunar missions. Additionally, this lunar fiberglass would