PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lee Sanders	08/23/2018
Daniel Mario Noviello	08/23/2018

RECEIVING PARTY DATA

Name:	DELCAM LIMITED	
Street Address:	TALBOT WAY	
Internal Address:	SMALL HEATH BUSINESS PARK	
City:	BIRMINGHAM, WEST MIDLANDS	
State/Country:	UNITED KINGDOM	
Postal Code:	B10 0HJ	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16111006

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (858) 678-5070 **Email:** apsi@fr.com

Correspondent Name: WILLIAM E. HUNTER

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 15786-0311001

NAME OF SUBMITTER: MELISSA ALEXANDER

SIGNATURE: /Melissa Alexander/

DATE SIGNED: 09/14/2018

Total Attachments: 4 source=assign#page1.tif source=assign#page2.tif source=assign#page3.tif

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PATENT REEL: 046882 FRAME: 0975

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, LEE SANDERS and DANIEL MARIO NOVIELLO, each individually assigns to DELCAM LIMITED, a corporation formed under the laws of the United Kingdom and having a principal place of business at Talbot Way, Small Heath Business Park,

Birmingham, West Midlands B10 0HJ, United Kingdom, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "ASSESSING DEFLECTIONS EXPERIENCED BY A WORKPIECE DURING COMPUTER CONTROLLED MACHINING WITH A TOOLPATH TO DETERMINE STOCK AMOUNT," and was or will be filed in the United States Patent and Trademark Office on August 23, 2018, as application 16/111,006 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 2

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	Date: 23/8/2018
LEE SANDERS	
	Date:
DANIEL MARIO NOVIELLO	

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, LEE SANDERS and DANIEL MARIO NOVIELLO, each individually assigns to DELCAM LIMITED, a corporation formed under the laws of the United Kingdom and having a principal place of business at Talbot Way, Small Heath Business Park, Birmingham, West Midlands B10 0HJ, United Kingdom, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "ASSESSING DEFLECTIONS EXPERIENCED BY A WORKPIECE DURING COMPUTER CONTROLLED MACHINING WITH A TOOLPATH TO DETERMINE STOCK AMOUNT," and was or will be filed in the United States Patent and Trademark Office on August 23, 2018, as application <a href="[16/111,006] (the "Application"). We authorize the insertion of the filing date and application number above.

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Assignment Page 1 of 2

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	Date:
LEE SANDERS	
Marette	Date: 25/08/2018

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DANIEL MARIO NOVIELLO

Assignment Page 2 of 2

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