502147210 11/30/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Canterprise Limited/University of Canterbury	05/11/2012

RECEIVING PARTY DATA

Name:	Northrop Grumman LITEF GmbH	
Street Address:	Loerracher Str. 18	
City:	Freiburg	
State/Country:	GERMANY	
Postal Code:	D-79115	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12223802

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: L-416

NAME OF SUBMITTER: elliott n. kramsky

Total Attachments: 2

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> PATENT REEL: 029395 FRAME: 0797

OF \$40.00 12223802

L-416 (LTF-217-PCT/US)

ASSIGNMENT

WHEREAS CANTERPRISE LIMITED/UNIVERSITY OF
CANTERBURY, having a place of business at Private Bag 4800,
Christchurch 8020, New Zealand, is the owner of the entire
right, title and interest of co-inventor Athol James Carr to a
new and useful METHOD FOR DETERMINING LOADS ON A MECHANICAL
STRUCTURE AND THE RESULTANT DAMAGE for which application for
Letters Patent Serial No. 12/223,802 was filed in the United
States Patent and Trademark Office on July 31, 2008 pursuant
to the United States national stage of International patent
application PCT/EP2007/000833 by assignment dated

WHEREAS Northrop Grumman LITEF GmbH (formerly LITEF GmbH), a corporation of the Federal Republic of Germany, sometimes hereinafter referred to as ''said assignee", having a principal place of business at Loerracher Str. 18, D-79115 Freiburg, Germany, is desirous of acquiring the entire and exclusive right, title and interest of CANTERPRISE LIMITED/UNIVERSITY OF CANTERBDRY in and to said invention, any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued therefor in the United States, including any and all divisions, continuations, reissues and extensions of any of the foregoing:

NOW, THEREFORE, for good and valuable consideration and for the further consideration of the sum of One Dollar (\$1.00) plus, receipt of which is hereby acknowledged, (assignor corporation) does hereby sell assign, transfer and set over unto the said assignee, its successors and assigns, the entire and exclusive right, title and interest of coinventor Athol James Carr in and to said invention, patent applications and Letters Patent which may be granted or issued for said invention in the United States, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held and enjoyed as fully and completely as the same might have been held by (assignor corporation) had this assignment not been made, and (assignor corporation) hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and the duly constituted authorities of foreign countries to issue all Letters Patent relating to the foregoing assigned rights to said assignee, its successors and assigns.

> PATENT REEL: 029395 FRAME: 0798

CANTERPRISE LIMITED/

By___ William Woodhouse Lee

Title: Commercial Director

Northrop Grumman LITEF GmbH

Vitness Nicole Zucker

Middle BILRGERT

Dr. Andreas Rasch

Title: Director Engineering

PATENT REEL: 029395 FRAME: 0799

RECORDED: 11/30/2012