PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4785218

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHAIN OF TITLE

CONVEYING PARTY DATA

Name	Execution Date
LOCKHEED MARTIN ACULIGHT CORPORATION	01/10/2018

RECEIVING PARTY DATA

Name:	LOCKHEED MARTIN CORPORATION
Street Address:	6801 ROCKLEDGE DRIVE
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20817

PROPERTY NUMBERS Total: 36

Property Type	Number
Application Number:	11567740
Application Number:	11637401
Application Number:	11637399
Application Number:	11637398
Patent Number:	7199924
Patent Number:	7233442
Application Number:	11751637
Application Number:	11565619
Application Number:	11682234
Application Number:	11688854
Application Number:	11963788
Application Number:	11536639
Patent Number:	8506613
Patent Number:	8784461
Application Number:	11948912
Application Number:	11536642
Application Number:	12018193
Application Number:	11971874
Patent Number:	8317848
Patent Number:	8551150

PATENT REEL: 045094 FRAME: 0491

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Property Type	Number
Application Number:	12018185
Patent Number:	8357187
Patent Number:	8632577
Application Number:	12077083
Application Number:	12050937
Patent Number:	8353899
Patent Number:	8636726
Application Number:	12053551
Patent Number:	8750339
Patent Number:	9653872
Application Number:	12054375
Patent Number:	8363312
Application Number:	12169628
Application Number:	12184243
Patent Number:	8755660
Patent Number:	9140873

CORRESPONDENCE DATA

Fax Number: (952)435-0299

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: (952) 435-0200

Email: glemaire@lemairepatent.com

Correspondent Name: LEMAIRE PATENT LAW FIRM, P.L.L.C.

Address Line 1: P.O. BOX 1818

Address Line 4: BURNSVILLE, MINNESOTA 55337

ATTORNEY DOCKET NUMBER:	5032	
NAME OF SUBMITTER:	GREGORY A. LEMAIRE	
SIGNATURE:	/Gregory A. Lemaire/	
DATE SIGNED:	01/19/2018	

Total Attachments: 2

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PATENT REEL: 045094 FRAME: 0492

LOCKHEED MARTIN CORPORATION Certificate of Assistant Secretary

I, Kathy L. Allen, do hereby certify that I am the duly appointed, qualified and acting Assistant Secretary of LOCKHEED MARTIN CORPORATION (the "Corporation"), a Maryland corporation, and that I am authorized to execute and deliver this Certificate on behalf of the Corporation.

I FURTHER CERTIFY that Lockheed Martin Sonar Systems Corporation, a Delaware corporation, is a wholly-owned subsidiary of the Corporation.

I FURTHER CERTIFY that Lockheed Martin Aculight Corporation, a Washington corporation, is a wholly-owned subsidiary of Lockheed Martin Sonar Systems Corporation.

I FURTHER CERTIFY that from January 28, 1993 (date of incorporation), until August 29, 2008, Lockheed Martin Aculight Corporation was known as Aculight Corporation.

WITNESS my signature and the seal of the Corporation this 10th day of January, 2018.

LOCKHEED MARTIN CORPORATION

By:

Kathy L. Allen

Assistant Secretary

Transmining & Market Market

PATENT REEL: 045094 FRAME: 0493 Page 2 of 2 Assistant Secretary Certificate

State of Maryland, County of Montgomery, ss:

On this 10th day of January, 2018, before me, a Notary Public in and for the State of Maryland and Montgomery County, personally appeared Kathy L. Allen, known to me to be the Assistant Secretary of Lockheed Martin Corporation, and as such, being authorized to so do, executed the foregoing instrument for the purpose contained therein.

Notary Public

ARY PUBLIC STATE OF MARYLAND ty Commission Expires December 19, 2021

> PATENT REEL: 045094 FRAME: 0494

RECORDED: 01/19/2018