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PD-02W146

10/390389
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03-13-2003

Name (line 1) Chungte W. Chen

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Receiving Party

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Name (line 1) RAYTHEON COMPANY

Name (line 2)

Address (line 1) Bldg. E1, M.S. E150

Address (line 2) P.O. Box 902

Address (line 3) El Segundo

California

90245

City

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Patent Number(s)

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Colin M. Raufer, Reg. No. 40,781

Name of Person Signing

Colin M. Raufer

Signature

March 17, 2003

Date

ASSIGNMENTPage 1 of 2
PD-02W146

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **NOVEL BEAM COMBINING DEVICE FOR MULTI-SPECTRAL LASER DIODES** for which application for Letters Patent of the United States has been executed by me on or before this day, or (if the following is completed) filed on , as Serial No. ; and

WHEREAS, RAYTHEON COMPANY, (hereinafter referred to as Raytheon), a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

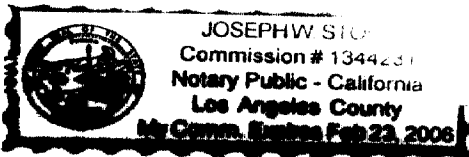
IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR CHUNGTE W. CHEN	INVENTOR'S SIGNATURE <i>Chungte W. Chen</i>	DATE 3-13-03
RESIDENCE (CITY AND STATE) IRVINE, CA		INVENTION AGREEMENT DATE March 31, 1989

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:
On MARCH 13, 2003 before me, JOSEPH W. STONE,
a Notary Public in and for said State, personally appeared CHUNGTE W. CHEN

☒ personally known to me or ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

Joseph W. Stone

