

03-21-2007

SHEET

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To the Director of the United States

103385220

or the attached original documents or copy thereof.

1. Name of conveying party(ies):

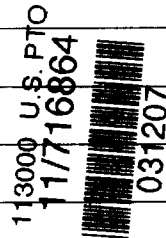
David H. Altman
Joseph R. Ellsworth
Michael E. Null

3.12.07

2. Name and address of receiving party(ies):

Name: Raytheon Company

Address: 870 Winter Street



Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: March 7, 2007

City: Waltham State/Prov.: MA

Country: USA ZIP: 02451

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: March 5, 2007

Patent Application No.

Filing date

B. Patent No.(s)

03/20/2007 DBYRNE 00000152 11716864

01 FC:8021

(40.00 DP)

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kirk Teska

Registration No. 36,291

Address: Iandiorio & Teska

260 Bear Hill Road

City: Waltham State/Prov.: MA

Country: USA ZIP: 02451

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

09-0002

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kirk Teska

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 019054 FRAME: 0119

ASSIGNMENT

WHEREAS, we, the signatories hereto, have invented an improvement entitled DISTRIBUTED (TRANSMIT/RECEIVE INTEGRATED MICROWAVE MODULE) CHIP LEVEL COOLING SYSTEM (Raytheon Case No. PD-06E144/ESR/2006-01260) and have executed an application for United States patent based thereon on the date set forth below;

WHEREAS, RAYTHEON COMPANY, of Waltham, Massachusetts 02451, U.S.A., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, U.S.A., is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said corporation the entire right, title and interest, in and throughout the world, in and to said invention, said application and any and all patents (including extensions thereof) of any country, which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, substitute or reissue application based in whole thereon, or based upon said invention, and without limiting the generality of the foregoing, we also do hereby sell, assign and transfer unto said corporation all our rights under the International Convention and all other treaties of like purpose, in respect of said invention and application, and we authorize said corporation to apply for patents on said invention or any part thereof, in all countries, claiming the priority of the filing date of said application in the United States of America under the provisions of said international Convention or any such other treaty;

TO BE HELD AND ENJOYED by said corporation, its successors and assigns to the full ends of the respective terms for which said patents or any of them have been or may be granted, as fully and entirely as the same would have been held and enjoyed by me had no sale, assignment or transfer of said right, title or interest been made;

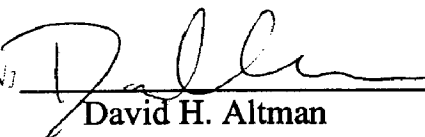
AND we do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Office of each country foreign thereto to issue any and all United States and foreign patents which may be granted upon said applications or any of them in the United States and all other countries, or upon said invention or any part thereof, to said corporation, its successors or assigns.

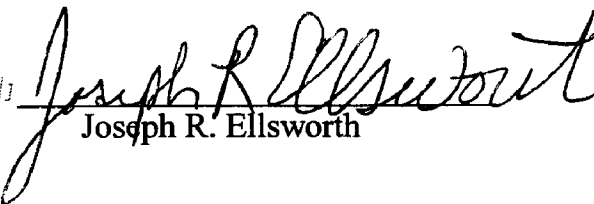
AND we hereby agree for ourselves and for our heirs, executors and administrators, to execute without additional consideration any further lawful documents and any further assurances, and any applications for patents of any country, that might be deemed necessary by said corporation, its successors or assigns, fully to secure to said corporation its successors or assigns, its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them, all, however, at the expense of said corporation, its successors or assigns.


AND we hereby covenant for ourselves and our legal representatives, and agree with said corporation, its successors and assigns, that we have granted no right or license to make, use or sell said invention to anyone except said corporation, that prior to the execution of

this our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, WE, David H. Altman, Joseph R. Ellsworth, and Michael E. Null, have hereunto set our hands and affixed our seals this N 7th day of N March, 2007.

N 
David H. Altman

N 
Joseph R. Ellsworth

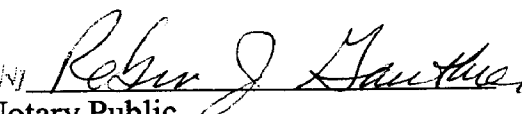
N 
Michael E. Null

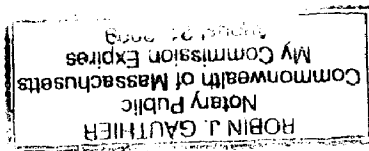
ACKNOWLEDGEMENT

Commonwealth of Massachusetts }
County of N USA }

On this N 7 day of N March, 2007, before me, a Notary Public within this state, personally appeared the above-named David H. Altman, Joseph R. Ellsworth, and Michael E. Null, they personally known by me to be the identified persons named in and who executed the foregoing instrument, and subscribed the same in my presence, and they acknowledged that they executed the same as their voluntary and free act and deed.

[Notary's
seal here]

N 
Notary Public
My commission expires:



RAY-171J
Raytheon Case No. PD-06E144/ESR/2006-01260
KT:ok