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**Emeric DANIAU**

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☐ Yes ☒ No

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Name: **MBDA FRANCE**

Address: **37 Boulevard de Montmorency**

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: **PARIS**

State/Prov.:

Country: **FRANCE**

ZIP: **75016**

Execution Date: **January 5, 2005**

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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: **January 5, 2005**

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: **James E. Ledbetter**

Registration No. **28,732**

Address: **STEVENS, DAVIS, MILLER & MOSHER, LLP**

**1615 L. Street, NW, Suite 850**

City: **Washington**

State/Prov.: **DC**

Country: **USA**

ZIP: **20036**

6. Total number of applications and patents involved:

**1**

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

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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.

**James E. Ledbetter**

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**March 29, 2005**

Date

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**PATENT**  
**REEL: 017179 FRAME: 0987**

# ASSIGNMENT

Serial No. \_\_\_\_\_

Filed \_\_\_\_\_

Title Pulsed detonation engine.

For one dollar the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to MBDA France residing 37, Boulevard de Montmorency 75016 PARIS - France

its successors and assigns \_\_\_\_\_ the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on January 05, 19 2005 and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to said assignee MBDA France

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment; and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to co-operate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand and seal, this 5th day of January  
Nineteen Hundred and 2005

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.

Emeric Daniau (SEAL)  
Emeric DANIAU