

07-15-2003  U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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o the	e Honorable	Commissione	r of Patents	and T	۱ O, rademarks.	Please	64/	2.	<b></b> .

To the Honorable Commissioner of Patents and Trademarks. Pl	lease record the case
Name of conveying party(ies):	Name and address of receiving party(ies):
Peter John MURDOCH	NAME: Orbital Engine Company (Australia) Pty Limited
Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No	ADDRESS: 1 Whipple Street, Balcatta, Western Australia
3. Name of Conveyance:	Australia 6021
[x] Assignment [] Merger	Additional name(s) & addresses(es) attached?
[ ] Security Agreement [ ] Change of Name	[ ] Yes [x] No
[ ] Other	
Execution/Effective Date: 6/1/03	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the application is:
A Patent Application No. (a)	B. Patent No.(s)
A. Patent Application No.(s)	B. Patent No.(s)
10/311,310	
Additional n	umbers attached? [ ] Yes [x ] No
Name and address of party to whom correspondence concerning document should be mailed:      Name:      Debot B. Murroy.	Total number of applications     and patents involved:
Name: Robert B. Murray Internal Address: Rothwell, Figg, Ernst & Manbeck	7. Total fee (37 CFR 3.41): \$40
Suite 800 Street Address: 1425 K St., N.W.	[ ] Enclosed
City: Washington, State: D.C. Zip: 20005	[x ] Authorized to be charged to deposit account
Telephone No.: 202/783-6040 Facsimile No.: 202/783-6031	8. Deposit account number: 02-2135
Attorney Docket No. : 3012-101	Attach duplicate copy of this page if paying by deposit account
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing infort true copy of the original document.	nation is trife and correct and any attached copy is a
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Robert B. Murray  Name of Person Signing	Signature July 10, 2003 Date
	er of pages including cover sheet, attachments and documents: 2
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**PATENT** 

**REEL: 014252 FRAME: 0288** 

## **ASSIGNMENT**

WHE	KEAS, I, Pete	er Jonr	MURDOCH, a c	itizen oi	Australia	i, formerly residing at 21 Fairlight	
Street, Mosman Park, Western Australia, Australia 6012 and currently residing at							
41	5HOOBRA	Rd	ELSTERNWICK	VIC	3185		
am the invento	r of an inven	tion en	titled SHOCKWA	VE INJ	ECTOR N	NOZZLE for which we have executed	
an application:	for Letters Pa	atent of	f the United States	, was fil	ed on Dec	cember 27, 2002, U.S. Serial Number	
10/311.310.							

WHEREAS, Orbital Engine Company (Australia) Pty Limited, an Australian company doing business at 1 Whipple Street, Balcatta, Western Australia, Australia, 6021 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**AND I HEREBY** covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

	IN TESTIMONY	WHEREOF, I	hereunto set my ha	and and seal this
×	/ 57	day of <u>*</u>	JUNE	, 2003.
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·	Kh l	infall		L.S.
Pete	er John MURDOCH			

PATENT RECORDED: 07/10/2003 REEL: 014252 FRAME: 0289