Docket No.: 99-441 05-31-2002 FORM PTO-1595 (Modified) SHEET U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 Tab settings → → 102108450 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): Richard D. HALE Yirginia M. VÄSEY-GLANDON Name: MCDONNELL DOUGLAS CORPORATION 5-24-02 Internal Address: Additional names(s) conveying party(ies) ☐ Yes 🏿 No ADELLA PK 3. Nature of conveyance: Street Address: P.O. BOX 516 Merger ■ Assignment Security Agreement Change of Name _____ State: MO__ ZIP: 63166 City: St. Louis ☐ Other Execution Date: May 24, 2002 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: B. Patent No.(s) A. Patent Application No.(s) 09/987,448 Additional numbers attached? Yes **⋈** No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Raymond H. J. Powell, Jr. 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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PATENT REEL: 012931 FRAME: 0450

	Assignment of Rights, Title ar (Multiple inventors; s			Docket No. 99-441		
This is an A	ssignment of the following rights, tit	le and interest: (check all that a	oply):			
X	United States of America rights, title and interest in the invention					
X	ļ					
\boxtimes	☑ United States Patent Application Serial No. 09/987,448					
	Date of Execution: Date of Filing: November 14, 2001					
X	United States Provisional Patent Application Serial No. 60/248,213					
	United States Patent No(s).					
	International (PCT) Patent Application Serial No.					
	Other (specify)					
Title of the 1	Invention					
nventors (a.	CEMENT AND FIBER STEERING AN PIREN SIREN SSIENORS)		RE FOR CO	OMPOSITE STRUCTURES		
	Name		Address			
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Richard D. Hale Virginia M. Vasey-Glandon		38 Miriclair Drive, Florissant, M				
virginia ivi.	Vasoy-Claridon	SC Minds Dive, Honsell, I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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		L. Bernard				
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Assignee						
Name			Address			
MCDONNE	ELL DOUGLAS CORPORATION	P.O. Box 516 St. Louis, Missouri, U.S.A. 63	166-0516			
		[Page 1 of 2]		A803A/REV01		

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Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignes)

Docket No. 99-441

Whereas, we, the above-identified inventors, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereus we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignce;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignes:

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part; of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

AEROSPACE ENGINEERIN

Name	2 / Signature/Date	
Richard D. Hale	Mean WHall - 22 ppgg, 2002	
Virginia M. Vasey-Glandon	Justina m Jases Davido 24 M	lay 2002
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	[Page 2 of 2]	

** TOTAL PAGE.07 **

PATENT REEL: 012931 FRAME: 0452

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