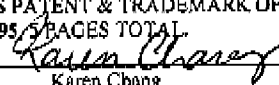
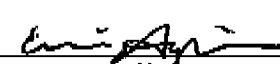


Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
		Attorney Docket: 44689.011400			
To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):  <b>Ken Kramer</b> <b>Hiroshi Arisawa</b>  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <b>Textron Lycoming, a division of AVCO Corp.</b> Mailing Address: <b>652 Oliver Street</b> City: <b>Williamsport</b> State: <b>PA</b> Zip: <b>17701</b> Country: <b>U.S.A.</b>		I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING TRANSMITTED VIA FACSIMILE TRANSMISSION TO THE UNITED STATES PATENT & TRADEMARK OFFICE AT FAX NO. (703) 306-5995. PAGES TOTAL  Karen Chang	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <b>9/6/2002</b>		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <b>June 6, 2002.</b> A. Patent Application No.(s)  <p style="text-align: center;"><b>10/162,683</b></p>		B. Patent Registration No.(s)  Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <b>Eric L. Sophir</b> Internal Address: <b>Greenberg Traurig, LLP</b> <b>1750 Tysons Blvd.</b> <b>12th Floor</b> <b>McLean, Virginia 22102</b>		6. Total number of applications and patents involved <b>1</b>		7. Total fee (37 CFR 3.41)..... <b>\$40.00</b>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number:  <p style="text-align: center;"><b>50-0653</b></p> (Attach duplicate copy of this page if paying by deposit account)			
<b>DO NOT USE THIS SPACE</b>					
9. Statement and signature. <i>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.</i>					
<b>Eric L. Sophir</b> Name of Person Signing		 Signature		<b>September 15, 2004</b> Date	
Total number of pages including cover sheet, attachments, and document: <b>3</b>					

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**Mail documents to be recorded with required cover sheet information to:**

**Commissioner for Patents, Box Assignments  
P.O. Box 1450, Alexandria, VA 22313-1450**

**PATENT**

**REEL: 015140 FRAME: 0984**

**700114681**

## ASSIGNMENT

Application of: Ken Kremer	Docket No.: 44689.011400
Serial Number: 10/162,683	Art Unit: Unassigned
Filing Date: June 6, 2002	Examiner: Unassigned
Title: Improved Cylinder Assembly for an Aircraft Engine	
<p>WHEREAS, KEN KREMER AND HIROSHI ARISAWA, whose post office addresses appear below (hereinafter referred to as ASSIGNOR), have invented certain new and useful improvements in Improved Cylinder Assembly for an Aircraft Engine (hereinafter referred to as THE INVENTION) for which the above-captioned Application for United States Letters Patent, filed herewith;</p>	
<p>WHEREAS, Textron Lycoming, a division of AVCO Corporation ("Co-Assignee") whose post office address is Textron Lycoming, 652 Oliver Street, Williamsport, Pennsylvania 17701, and Toyota Motor Corporation ("Co-Assignee"), whose principle place of business is located at No. 1 Toyota-cho, Toyota-shi, Aichi-ken, Japan (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;</p>	
<p>NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and Patent Application throughout the United States of America, including any and all United States Letters Patent granted on any U.S. Patent Application, and any division, continuation, continuation-in-part and reissue of said U.S. Patent Application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.</p>	
<p>ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. If no serial number is listed above for the captioned patent application, the Assignor hereby authorizes the firm of Greenberg Traurig to insert into this Assignment the Serial Number or other information which may be necessary to identify the patent application or patents to which this Assignment relates.</p>	
<p>ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof, and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.</p>	

**ASSIGNMENT**

Application of: Ken Kremer		Docket No.: 44689.011400	
Serial Number: 10/162,683		Art Unit: Unassigned	
Filing Date: June 6, 2002		Examiner: Unassigned	
Title: Improved Cylinder Assembly for an Aircraft Engine			
Full Name of First or Sole Inventor		Citizenship	
Ken Kremer		United States	
Mailing Address - Street		Post Office Address - Street	
City		City	
Montoursville			
State or Country	Zip Code	State or Country	Zip Code
Pennsylvania			
Date:		Signature	
		<i>Ken Kremer</i>	
(Notarization preferred but not required)			
Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this ____ day of _____, 2002.			
			Notary Public
Full Name of Second Inventor		Citizenship	
Hiroshi Arisawa		Japan	
Mailing Address - Street		Post Office Address - Street	
City		City	
Susono City			
State or Country	Zip Code	State or Country	Zip Code
Japan			
Date:		Signature	
		<i>Hiroshi Arisawa</i>	
(Notarization preferred but not required)			
Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this ____ day of _____, 2002.			
			Notary Public