

03-21-2002

FILE NO. A33282 PCT USA



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

102025868

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Hermann Hahn**  
Additional name(s) of conveying party(ies) attached?  
 Yes  No **3.6.02**

2. Name and address of receiving party(ies)  
Name: **VOLKSWAGEN AG**  
Address: **D-38436 WOLFSBURG GERMANY**  
City: State: Zip: Country:  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **august 10, 2000**

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  
A. Patent Application No.(s) **s/n 09/641,416**  
B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **JAMES J. MAUNE**  
**BAKER BOTTS L.L.P.**  
**30 Rockefeller Plaza - 44 Fl.**  
**New York, NY 10112**

6. Total number of applications and patents involved: **1**  
7. Total fee (37 CFR 3.41): **\$ 40.00**  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number :  
**02-4377 (Charge any additional fees to this account)**  
(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature  
*To the best of my knowledge and belief, the foregoing instrumentation is true and correct and any attached copy is a true copy of the original document.*  
**James J. Maune, PTO#26,946** **2-25-02**  
Name of Person Signing Signature Date

Page 1 of 1  
Total number of pages including cover sheet, attachments and document:

03/21/2002 LMUELLER 00000015 09641416  
01 FC:581 40.00 OP

**PATENT**  
**REEL: 012689 FRAME: 0378**

**ASSIGNMENT**

WHEREAS, I, HERMANN HAHN, residing at Gebr.-Grimm-Strasse 37, D-38165 Lehre, Germany have made an invention entitled, "METHOD FOR CONTROLLING AN NO<sub>x</sub> ACCUMULATING CATALYTIC CONVERTER" for which I am about to make application for Letters Patent of the United States; and

WHEREAS, VOLKSWAGEN AG, a corporation organized and existing under the laws of Germany, and having an office for the transaction of business at D-38436 Wolfsburg, Germany, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said HERMANN HAHN, for valuable considerations unto me moving from said VOLKSWAGEN AG, at or before the ensembling and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said VOLKSWAGEN AG, its successors and assigns, the entire right, title and interest in and to the said invention described in the application for Letters Patent of the United States entitled, "METHOD FOR CONTROLLING AN NO<sub>x</sub> ACCUMULATING CATALYTIC CONVERTER" executed concurrently herewith, and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND I, the said HERMANN HAHN, hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said VOLKSWAGEN AG, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said VOLKSWAGEN AG, its successors and assigns;

AND I, the said HERMANN HAHN, for the considerations aforesaid, do hereby covenant and agree to and with said VOLKSWAGEN AG, its successors and assigns, that I have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that I, my executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said VOLKSWAGEN AG, its successors and assigns, may be

required or necessary more effectively to secure to and vest in said VOLKSWAGEN AG, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

Subscribed and executed at Wolfsburg  
(Place)

on 10 08 .00  
(Date)

Hermann Hahn  
HERMANN HAHN

Witness: L. Spiegel  
Type Name: L. Spiegel

Witness: G. Schilke  
Type Name: G. Schilke

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

*Complete if Known*

Application Number	09/641,416
Filing Date	August 16, 2000
First Named Inventor	Hermann Hahn
Examiner Name	tran, Binh Q.
Group Art Unit	3748
Attorney Docket No.	A33282 PCT USA

**TOTAL AMOUNT OF PAYMENT (\$)** 40

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: **02-4377**

Deposit Account Name: **Baker Botts LLP**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  **Payment Enclosed:**

Check  Credit card  Money Order  Other

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
740	370	Utility filing fee	
330	165	Design filing fee	
510	255	Plant filing fee	
740	370	Reissue filing fee	
160	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$)</b> 0

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
20**	= 0	x	= 0
3**	= 0	x	= 0
Multiple Dependent			

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
18	9	Claims in excess of 20	
84	42	Independent claims in excess of 3	
280	140	Multiple dependent claim, if not paid	
84	42	** Reissue independent claims over original patent	
18	9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>			<b>(\$)</b> 0

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	For filing a request for <i>ex parte</i> reexamination	
920*	920*	Requesting publication of SIR prior to Examiner action	
1,840*	1,840*	Requesting publication of SIR after Examiner action	
110	55	Extension for reply within first month	
400	200	Extension for reply within second month	
920	460	Extension for reply within third month	
1,440	720	Extension for reply within fourth month	
1,960	980	Extension for reply within fifth month	
320	160	Notice of Appeal	
320	160	Filing a brief in support of an appeal	
280	140	Request for oral hearing	
1,510	1,510	Petition to institute a public use proceeding	
110	55	Petition to revive - unavoidable	
1,280	640	Petition to revive - unintentional	
1,280	640	Utility issue fee (or reissue)	
460	230	Design issue fee	
620	310	Plant issue fee	
130	130	Petitions to the Commissioner	
50	50	Processing fee under 37 CFR 1.17(q)	
180	180	Submission of Information Disclosure Stmt	
40	40	Recording each patent assignment per property (times number of properties)	40
740	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
740	370	For each additional invention to be examined (37 CFR § 1.129(b))	
740	370	Request for Continued Examination (RCE)	
900	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid **SUBTOTAL (3) (\$)** 40

**SUBMITTED BY**

Name (Print/Type)	James J. Maune	Registration No. (Attorney/Agent)	26,946	Telephone	212-408-2566
Signature				Date	2-25-02

*Complete (if applicable)*

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**