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FORM PTO-1619A	·	U.S. Department of Commerce		
Expres 06/30/99 OMB 0651-0027	04-13-2000	Patent and Trademark Office PATENT		
Docket No. 199-1108	) 1881 U 1811 9918 NORT 1110 HORE WED 1818 NORT 1819 1829 			
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Name (line 1) Ford Motor Company		If document to be recorded is an assignment and the receiving party is not		
Name (line 2) A Delaware Corporation		domiciled in the United States, an appointment		
Address (line 1) The American Road		of a domestic representative is attached.		
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PATENT REEL: 10680 FRAME: 0608

FORM PTO-1619B Express 06/30/99 OMB 0851-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Add	ress Area Code and Telephone Number	313-323-2024
Name Lorraine S. Melotik	- 30,088	
Address (line 1) Ford Global Tech	nologies, Inc.	
Address (ine 2) Suite 600 - Park	lane Towers East	
Address (time 3) One Parklane Bou	levard	
Address (time 4) Dearborn, MI	48126	
Pages Enter the total numbe including any attach	r of pages of the attached conveyance documents.	ument #
Application Number(s) or Pater		if additional numbers attached
Patent Application Number	or the Patent Number (DO NOT ENTER BOTH number c(s) Pate	rs for the same property). Ent Number(s)
If this document is being filed together with a n signed by the first named executing inventor.	mr. Patent Application, enter the date the patent applica	ation was Month Day Year 3 2 2000
Patent Cooperation Treaty (PC)		
Enter PCT application num		PCT
only if a U.S. Application Nas not been assigned.	tumber PCT PCT	PCT
Number of Properties	the total number of properties involved.	#
	nount for Properties Listed (37 CFR 3.41):	\$ 40.00
Method of Payment: Deposit Account	Enclosed Deposit Account X	
(Enter for payment by deposit account of	or if additional fees can be charged to the account.)  Deposit Account Number:	# 06-1510
	Authorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge a	and belief, the foregoing information is true	and correct and any
	f the original document. Charges to depos	
Saundra M. Lewis	Signature	March 14, 2000
Name of Person Signing	Signature	Date

PATENT REEL: 10680 FRAME: 0609

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED.

has/have invented certain new and useful improvements in:

Attorney Docket No. 199-1108 entitled: PALLADIUM AND PALLADIUM/COPPER THIN **FLAT MEMBRANES** 

for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

Peter Thornton; and

WHEREAS, FORD MOTOR COMPANY, a corporation organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is desirous of acquiring an interest therein;

NOW, THEREFORE, pursuant to MOTOR COMPANY, or by my contractual of COMPANY the full and exclusive right for the said invention, as described in the specification obtaining Letters Patent of the United States serial number and filing date herein:	oligation, I do sell, assign and to United States of America and fo on executed by me on the date	ransfer unto FORD MOTOR or all foreign countries to the listed below, preparatory to
Serial No, Filing Da	ate	), and I hereby request the
Commissioner of Patents and Trademarks to the assignee. Executed by:	issue said Letters Patent to FC	PRD MOTOR COMPANY as
NAME	SIGNATURE	DATE
Peter Howard Thornton 22035 Edison Dearborn, <b>M</b> ichigan 48124	C. H. Thornton	3/2/00

Melotik

**RECORDED: 03/15/2000** 

Attorney Docket No: 199-1108 Please call 313-322-7762 if this paper becomes separated from the file.

> **PATENT REEL: 10680 FRAME: 0610**