FORM PTO-1619A Express 06/30/99 OMB 0651-0027 Docket No. 200-16	26 RECORDA	4-11-2001 101659237 TION FORM CO	VER SHEET	U.S. Department of Commerce Patent and Trademark Office PATENT OLA
TO: The Commissioner	of Patents and Trademarks	s: Please record the	attached original docu	ment(s) or copy(ies).
Submission Type		Conveyance Ty	pe	
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Resubmission (Non Document ID#	-Recordation)	License	Change of Na	me
Correction of PTO E	rror Frame #	Merger	U.S. Government	
Corrective Docume	nt	(For U	Ise ONLY by U.S. Governmen	(Agencies)
Reel #	Frame #	D	epartmental File	Secret File
Conveying Party(ies		X Mark if additions	I names of conveying parti	Month Day Year
Name (line 1) Fang, Ch	en Frank			03162001
Name (line 2)				
Second Party				Execution Date Month Day Year
	L James Stewart			03162001
Name (line 2)				= 09/812/412
Receiving Party			lark if additional names of	receiving parties attached
Name (line 1) Ford M	otor Company			If document to be recorded is an assignment and the receiving party is not
Name (line 2) A Dela	ware Corporation			domicited in the United States, an appointment
Address (line 1) The Am	erican Road			of a domestic representative is attached. (Designation must be a
Address (line 2)				separate document from Assignment.)
Address (line 3) Dearbo		MI - USA	4812	
Domestic Representative Name and Address Enter for the first Receiving Party only.				
Name				
Address (line 1)				
Address (line 2)				
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the data needed to complete the Cover Sheet. Send comments requiring this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Artains, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Budget Package 0851-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS,

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

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U.S. Department of Commerce Patent and Trademark Office PATENT

Conveying I	Party(ies) Mark if additional names of conveying parties attached	D T		
Enter additional	Conveying Parties	Execution Date O		
Name (line 1)	Song, Mumin	03162001 °		
Name (line 2)		Execution Date 00		
Name (line t)	Stewart, Paul Joseph	03162001		
Name (time 2)		Execution Date		
Name (line 1)		Month Day Year		
Name (line 2)				
Receiving P	arty(ies) Mark if additional names of receiving partic	s attached		
Enter additiona	Receiving Party(ies)	_		
Name (line 1		If document to be recorded is an assignment and the receiving party is not		
Name (line 2		domiciled in the United States, an appointment		
Address (line 1		of a domestic representative is attached. (Designation must be a separate		
Address (line 2		document from Assignment.)		
Address (line :	City State/Country Zip Cod	•		
Name (line 1		If document to be recorded is an assignment and the		
Name (line 2	,	receiving party is not domiciled in the United States, an appointment of a		
Address (line 1		domestic representative is attached. (Designation must be a separate document from		
Address (line 2		Assignment.)		
Address (line 3	City State/Country Zip Co	ode		
Application Number(s) or Patent Number(s) Mark if additional numbers attached				
	he Patent Application Number or the Patent Number (DO NOT ENTER SOTH numbers for the sa	1		
	Patent Application Number(s) Patent Numb	er(s)		
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PATENT

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FORM PTO-1619B Expres 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Numb	313-337-1069
Name Raymond L. Coppiellie - 33	3,311	
Address (line 1) Ford Global Technologi	es, Inc.	
Address #me 2) Suite 600 - Parklane T	owers East	
Address (time 2) One Parklane Boulevard		
Address (line 4) Dearborn, MI 4812	6	
Pages Enter the total number of pagincluding any attachments.	ges of the attached conveyance do	cument #
Application Number(s) or Patent Num	· · ·	rk if additional numbers attached
Enter either the Patent Application Number or the Pa Patent Application Number(s)		bers for the same property). Itent Number(s)
If this document is being filed together with a <u>new</u> Paten signed by the first named executing inventor.	t Application, enter the date the patent appl	Month Day Year 03162001
Patent Cooperation Treaty (PCT)	PCT PCT	PCT
Enter PCT application number only if a U.S. Application Number	PCT PCT	PCT
has not been assigned. Number of Properties		
Enter the total	il number of properties involved.	#
Fee Amount Fee Amount fo	or Properties Listed (37 CFR 3.41)	\$ 40.00
Method of Payment: Enclo: Deposit Account	sed Deposit Account X	
(Enter for payment by deposit account or if additi	ional fees can be charged to the account.) posit Account Number:	# 06-1510
Au	uthorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge and beli attached copy is a true copy of the or indicated herein.		
Sheri L. Charles	Den y (Chi	March 16, 2001
Name of Person Signing	Signature	Date

PATENT REEL: 011653 FRAME: 0131

THE INVESTIGATION OF A TENT AND THE ADDRESS OF A TENT AND THE ADDRESS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 200-1626 entitled: CRYSTAL BASED FRINGE GENERATOR SYSTEM

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

Paul Stewart Mumin Song James Rankin il Fang Chen; 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;

COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY the

NOW, THEREFORE, pursuant to my employment agreement heretofore made with FORD MOTOR

full and exclusive right for the United States of America and for all foreign countries to the said invention, as described in the specification executed by me on the date listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby authorize my attorneys to insert the serial number and filing date				
herein:	Tilles Date	مطالهم د	uabi,	Campinalanaras
Serial No, Fatents and Trademarks to iss	rling Date	tent to EORD MOTO	reby request the	as the assigned
Executed by:	de Said Editors i di	ion to your more		as the assignes.
NAME		SIGNATURE		DATE
Fang (Frank) Chen		- 1 0 0	·····	
364 Daylily Dr.	1	Hong ()		3/16/2001
Rochster Hills, MI 48307 US				
James Stewart Rankin II				
25974 Glenmoor				,
Novi, MI 48374 US				
Mumin Song				
4976 South Rideside Circle				
Ann Arbor, MI48105 US				
Paul Joseph Stewart				
1224 Waterways Drive				
Ann Arbor, MI 48108 US				
	1	*	1	

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Attorney Docket No: 200-1626 Please call 313-322-7762 if this paper becomes separated from the file.

PATENT REEL: 011653 FRAME: 0132

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

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full and exclusive right for the described in the specification e	United States of Ame executed by me on the	, assign and transfer unto FORD Mo rica and for all foreign countries to date listed below, preparatory to ob my attorneys to insert the serial n	the said invention, as staining Letters Patent
Serial No	, Filing Date), and I hereby reques atent to FORD MOTOR COMPAI	t the Commissioner of
Patents and Trademarks to Executed by:	issue said Letters Pa	atent to FORD MOTOR COMPAI	NY as the assignee.
NAME		SIGNATURE	DATE
Fang (Frank) Chen	· · · · · · · · · · · · · · · · · · ·		
364 Daylily Dr.			
Rochster Hills, MI 48307 US			
James Stewart Rankin II			
25974 Glenmoor		111-	12/11
Novi, MI 48374 US		James hours	3/16/01
Mumin Song	C	;	1 [
4976 South Rideside Circle		5-33	3/16/01
Ann Arbor, MI48105 US	<		
Paul Joseph Stewart			1
1224 Waterways Drive			
Ann Arbor, MI 48108 US			
Alli Alboi, IVII 40 IVI US			

Coppiellie

Attorney Docket No: 200-1626 Please call 313-322-7762 if this paper becomes separated from the file.

PATENT PAGE.01 **

REEL: 011653 FRAME: 0133

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COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY the full and exclusive right for the United States of America and for all foreign countries to the said invention, as described in the specification executed by me on the date listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby authorize my attorneys to insert the serial number and filing date herein:			
Serial No, Filing Date Patents and Trademarks to issue said	·), and I hereby i	request the Commissioner of	
Patents and Trademarks to issue said Executed by:	Letters Patent to FORD MOTOR Co	OMPANY as the assignee.	
NAME	SIGNATURE	DATE	
Fang (Frank) Chen			
364 Daylily Dr.		1	
Rochster Hills, MI 48307 US			
James Stewart Rankin II			
25974 Glenmoor			
Novi, MI 48374 US			
Mumin Song 4976 South Rideside Circle Ann Arbor, MI48105 US	- AA		
Paul Joseph Stewart 1224 Waterways Drive Ann Arbor, MI 48108 US		More. 17/2001	

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