mrd 2-3-49

To the Honorable Assistant Commissioner for Patent. Please record the attached original documents or copy thereof.

02-23-1999

100971196

Docket: 0630-11

Name of conveying parties: Takashi TAKEMOTO, Masahiko SHIGETSU, Kazuo MISONOO, Satoshi ICHIKAWA Additional name(s) of conveying party(ies) attached? [] Yes [X] No Name and address of receiving party: Name: MAZDA MOTOR CORPORATION Street Address: 3-1, Shinchi, Fuchu-cho, Aki-gun, Hiroshima 730-8670 Japan ZIP State Additional name(s) & addresses(es) attached? [] Yes [X] No 3. Name of Conveyance: 1 Merger [X] Assignment [] Security Agreement []Change of Name [] Other _ Execution Dates: January 29, 1999 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: January 29, 1999 Title: METHOD OF MANUFACTURING CATALYST B. Patent No.(s) A: Patent Application No.(s) 243489 Additional numbers attached? Yes Name and address of party to whom correspondence concerning document should be mailed: 5. Name: SIXBEY, FRIEDMAN, LEEDOM & FERGUSON, P.C. Street Address: 8180 Greensboro Drie, Suite 800 State: Virginia ZIP 22102 City: McLean 6. Total number of applications and patents involved: __1_ 7. Total fee (37 CFR 3.41):\$40.00 [X] Enclosed 406 [] Authorized to be changed to deposit account 8. Deposit Account Number: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 02/11/1999 PSTANBAC 00000033 09243489 029FC:581 Statement and signature. 40.00 OP 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. Gerald J. Ferguson, Jr. Signature, Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3

SIXBEY, FRIEDMAN, LEEDOM & FERGUSON, P.C. United States Patent Rights

Attorney Docket No	0630-11
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ASSIGNMENT

WHEREAS, _	Takashi	TAKEMOTO,	Masahiko	SHIGETSU,	Kazuo M	MISONOO and
	Satoshi	ICHIKAWA				
(hereinafter designate improvements in	ed as the	undersigned OF MANUFAC) has (hav	e) invented TALYST	certain i	new and useful
					·	
for which an applicati by the undersigned or	on for Lett Januai	ers Patent of	f the United 9	States of A	merica ha	s been executed and;
WHEREAS, _	Mazda Mo	otor Corpo	ration			
of 3-1, Shinchi,	Fuchu-cl	no, Aki-gu	n, HIROSH	IMA 730-86	70 JAPAN	1
its heirs, successors, le					_	

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

to any Letters Patent(s) that may be granted therefor in the United States of America;

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

PATENT REEL: 9770 FRAME: 0393 The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Sixbey, Friedman, Leedom & Ferguson, P.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _	January 29, 1999	Name of Inventor Takeshi Takemeto	(SEAL)			
Date _	January 29, 1999	Name of Inventor Masahako Shigitsu	(SEAL)			
Date _	January 29, 1999	Name of Inventor Kazur Misonov	(SEAL)			
Date _	January 29, 1999	Name of Inventor Satosh, Ich kawa	(SEAL)			
Date _		Name of Inventor	(SEAL)			
Date _	-	Name of Inventor	(SEAL)			
(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who should sign here.)						
Vitness	Masayuki SAIKI	Masayuki Saiki				
Vitness	Takako INOUE	(signature) Sakako Inoue (signature)				
Witness						

(signature)

(name)

RECORDED: 02/03/1999

PATENT REEL: 9770 FRAME: 0394