A/D 581-40

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Form PTO-1505 U.S. Department of Commerce 10/484817 Patents & Trademark Office RECORDA 07-08-2004 Attorney Docket No. 101175-00046 Date: January 30, 2004 102786436 ssistant Commissioner of Patents attached original documents or copy thereof 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Name: HONDA GIKEN KOGYO KABUSHIKI KAISHA (1) Yasuyuki MIYAHARA; (2) Masahiro SATO; (3) Masaki UENO; and (4) Kenichi OHMORI Address: 1-1, Minami-Aoyama 2-chome, Minato-ku Tokyo 107-8556, Japan Additional name(s) of conveying party(ies) attached? ☐ Yes ⊠ No Additional name(s) & address(es) attached? 1-30-04 ☐ Yes ⊠ No 3. Nature of conveyance: Assignment ☐ Merger Securi Security Agreement ☐ Change of Name Execution Date: (1) October 24, 2003; (2) October 28, 2003; (3) October 27, 2003; and (4) October 24, 2003 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: (1) October 24, 2003; (2) October 28, 2003; (3) October 27, 2003; and (4) October 24, 2003 A. Patent Application No.(s) B. Patent No.(s) New Application Additional numbers attached?

Yes ☑ No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: Name: Arent Fox Kintner Plotkin & Kahn PLLC 7. Total fee (37 CFR 3.41)...... \$ 40.00 Included in attached check # 37375 Street Address: 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339 Any additional fees are authorized to be charged to deposit account 8. Deposit account number: 01-2300 (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 information is tryle and any attached copy is a true copy of the original document. Charles M. Marmelstein January 30, 2004 Name of Person Signing Reg. No. 25,895 Total number of pages including cover sheet, attachments, and document: 2

Docket No:

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventors (hereinafter ASSIGNOR) by:

HONDA GIKEN KOGYO KABUSHIKI KAISHA

1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

DETERIORATED STATE EVALUATION DEVICE OF EXHAUST EMISSION CONTROL EQUIPMENT

for which application for Letters Patent of the United States was filed on ______, and assigned Serial No._______ (Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

Yasuyuki MIYAHARA	Yasuyuki Mizahara	October 24, 2003
	(SIGNATURE)	(DATE)
Masahiro SATO	Masahiro Sato	October 28, 2003
	(SIGNATURE)	(DATE)
Masaki UENO	Masahi Ueno	October 27, 2003
	(SIGNATURE)	(DATE)
Kenichi OHMORI	Kenichi Ohmori	October 24, 2003
	(SIGNATURE)	(DATE)
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	(SIGNATURE)	(DATE)
	(SIGNATURE)	(DATE)
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	(SIGNATURE)	(DATE)

NO LEGALIZATION REQUIRED

RECORDED: 01/30/2004

PATENT REEL: 015533 FRAME: 0343