FIG. 1

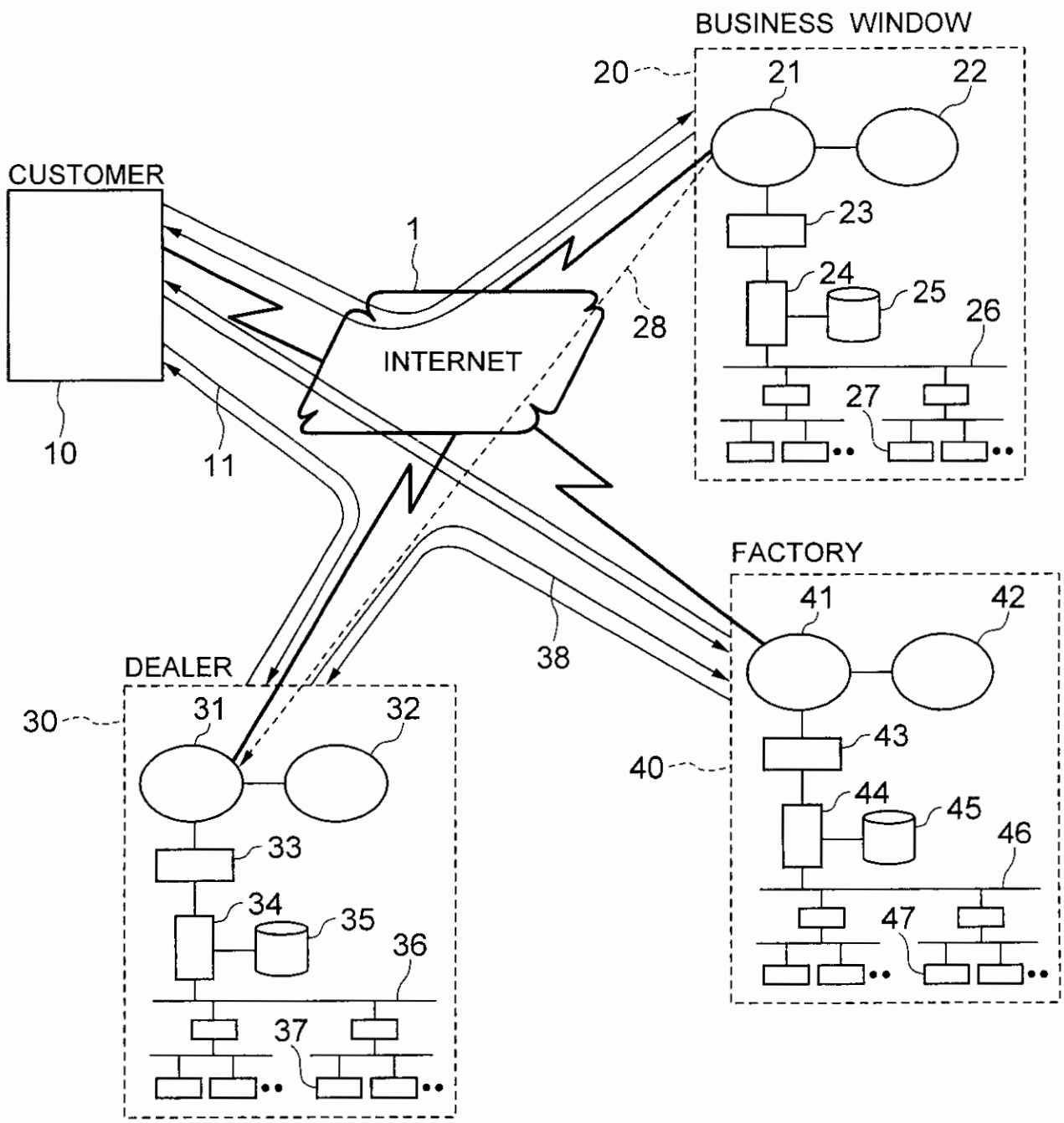

BUSINESS WINDOW
20
21
22
CUSTOMER
1
23
24
25
26
28
INTERNET
27
10
11
FACTORY
41
42
38
DEALER
43
30
31
32
40
44
45
46
33
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36
37

FIG. 2

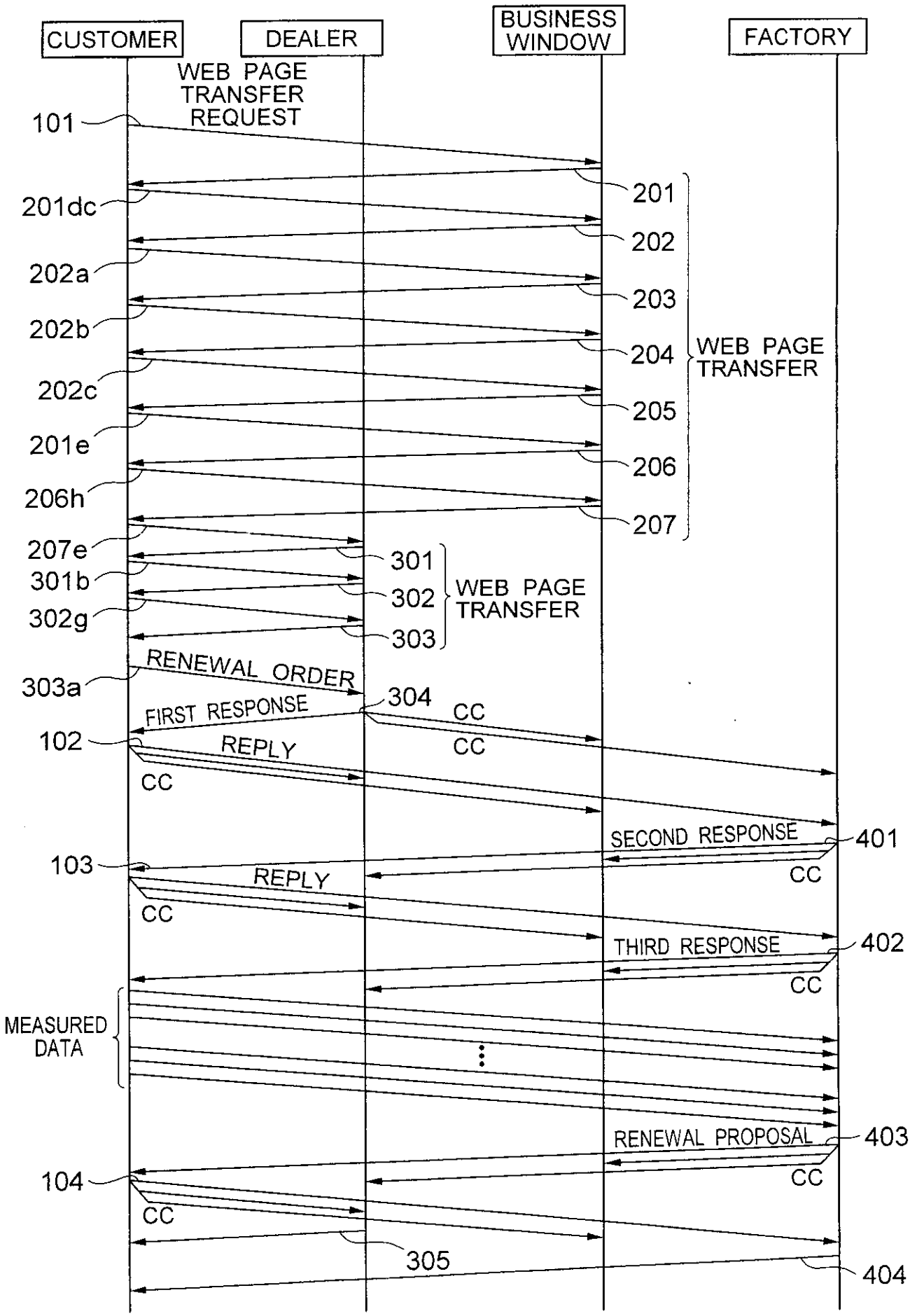

CUSTOMER
DEALER
BUSINESS WINDOW
FACTORY
WEB PAGE TRANSFER REQUEST
101
201
201dc
202
202a
203
202b
204
WEB PAGE TRANSFER
202c
205
201e
206
206h
207
207e
301
301b
302
WEB PAGE TRANSFER
302g
303
RENEWAL ORDER
303a
304
FIRST RESPONSE
CC
102
REPLY
CC
CC
SECOND RESPONSE
401
103
CC
REPLY
CC
THIRD RESPONSE
402
CC
MEASURED DATA
RENEWAL PROPOSAL
403
104
CC
CC
305
404

FIG. 3

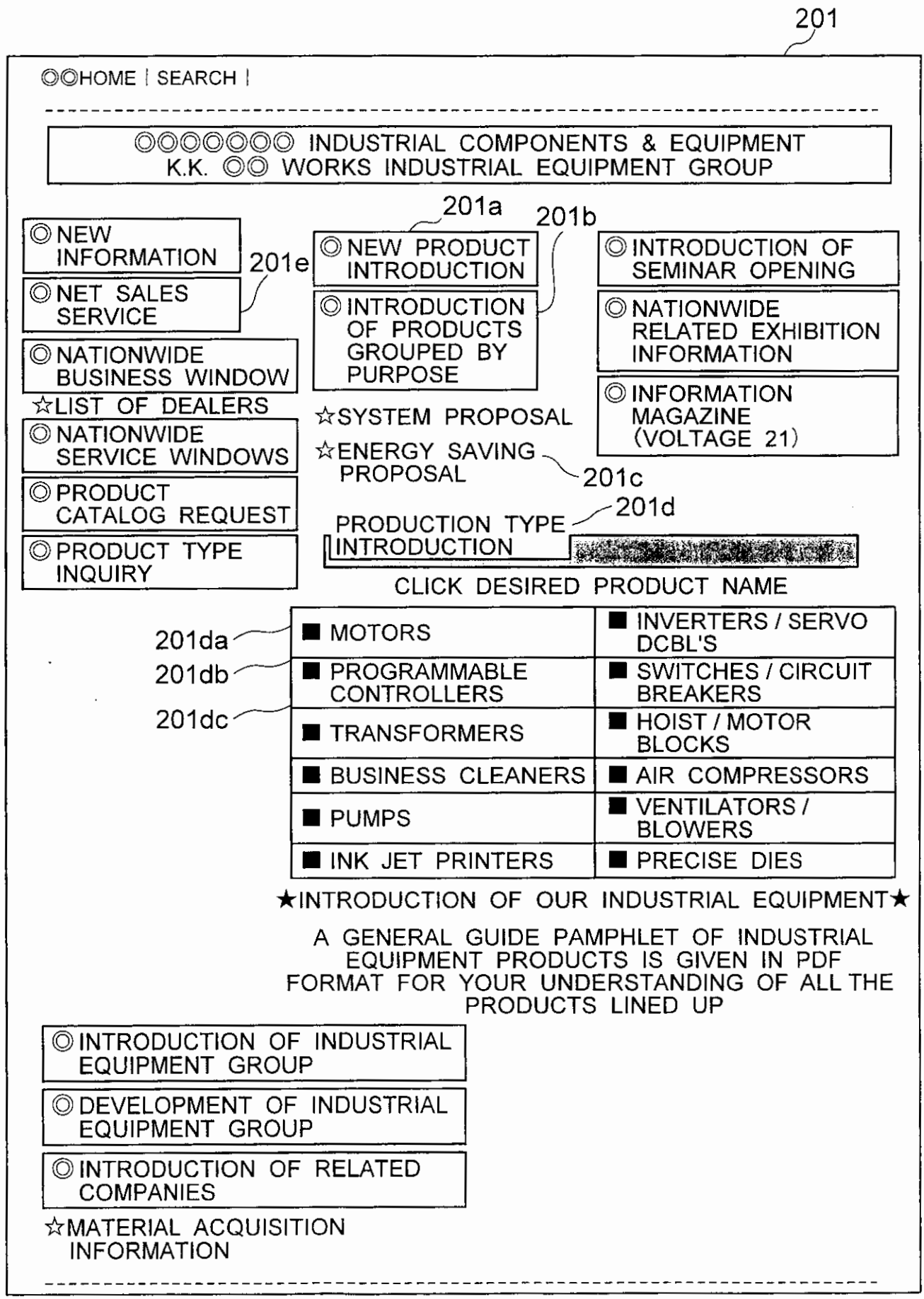

201
◎◎HOME | SEARCH |
◎◎◎◎◎◎◎ INDUSTRIAL COMPONENTS & EQUIPMENT
K.K. ◎◎ WORKS INDUSTRIAL EQUIPMENT GROUP
201a
201b
◎ NEW INFORMATION
201e
◎ NET SALES SERVICE
◎ NATIONWIDE BUSINESS WINDOW
☆LIST OF DEALERS
◎ NATIONWIDE SERVICE WINDOWS
◎ PRODUCT CATALOG REQUEST
◎ PRODUCT TYPE INQUIRY
◎ NEW PRODUCT INTRODUCTION
◎ INTRODUCTION OF PRODUCTS GROUPED BY PURPOSE
☆SYSTEM PROPOSAL
☆ENERGY SAVING PROPOSAL
201c
◎ INTRODUCTION OF SEMINAR OPENING
◎ NATIONWIDE RELATED EXHIBITION INFORMATION
◎ INFORMATION MAGAZINE (VOLTAGE 21)
201d
PRODUCTION TYPE INTRODUCTION
CLICK DESIRED PRODUCT NAME
201da
201db
201dc
■ MOTORS
■ INVERTERS / SERVO DCBL'S
■ PROGRAMMABLE CONTROLLERS
■ SWITCHES / CIRCUIT BREAKERS
■ TRANSFORMERS
■ HOIST / MOTOR BLOCKS
■ BUSINESS CLEANERS
■ AIR COMPRESSORS
■ PUMPS
■ VENTILATORS / BLOWERS
■ INK JET PRINTERS
■ PRECISE DIES
★INTRODUCTION OF OUR INDUSTRIAL EQUIPMENT★
A GENERAL GUIDE PAMPHLET OF INDUSTRIAL EQUIPMENT PRODUCTS IS GIVEN IN PDF FORMAT FOR YOUR UNDERSTANDING OF ALL THE PRODUCTS LINED UP
◎ INTRODUCTION OF INDUSTRIAL EQUIPMENT GROUP
◎ DEVELOPMENT OF INDUSTRIAL EQUIPMENT GROUP
◎ INTRODUCTION OF RELATED COMPANIES
☆MATERIAL ACQUISITION INFORMATION

FIG. 4

202

◎◎HOME | SEARCH |

◎◎ SUPER-ENERGY-SAVING TRNSFORMER Super△△△△△△

HEISEI XX ◎◎◎◎◎ ◎◎◎◎ AWARD ACQUIRED

TOTAL LOSS ABOUT 1/2, SUPER ENERGY SAVING TRANSFORMER DEMANDED BY CURRENT AGE

ELECTRIC ENERGY WHICH IS A MUST TO INDUSTRIES AND OUR LIVINGS
FOR SUCH TRANSFORMERS SUPPORTING THE DEMAND, HIGH ENERGY CONVERSION EFFICIENCY IS REQUIRED
◎◎SUPER-ENERGY-SAVING TRANSFORMER SERIES Super△△△△△△ IS····

●FEAUTURES

1. REMARKABLY REDUCED "NO-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST" 202a
2. IMPROVED WINDING STRUCTURE OF EMPOLYING CORE MADE OF AMORPHOUS ALLOY ENABLED REDUCTION OF TOTAL LOSS BY ABOUT 50% (WHEN COMPARED TO EXISTING STANDARD) 202b
3. MERIT OBTAINED BY THE ATOM ARRAY STRUCTURE OF AMORPHOUS ALLOY APPLIED TO THE CORE OF THE TRANSFORMER 202c

● SPECIFICATION LIST TABLE

■ Super△△△△△△ OIL-CONTAINED TRANSFORMER

● STANDARD CHARACTERISTIC TABLE 202d

● ATTACHMENT LIST TABLE 202e

● DIMENSIONAL TABLE

■ Super△△△△△△ OIL-CONTAINED TRANSFORMER

◎ WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK "NATIONWIDE BUSINESS WINDOWS" AND ORDER A NEARBY DEALER 202f

FIG. 5

203

◎◎HOME | SEARCH |

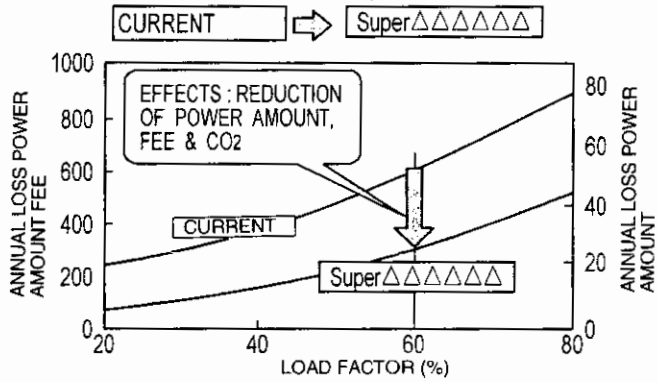
● FEATURE 1

REMARKABLY REDUCED "NON-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST"

ENERGY SAVING EFFECT

- GREATER ENERGY SAVING EFFECT FOR HIGHER LOAD FACTOR
- EVEN IN EITHER CASE OF NEW INSTALLATION AND RENEWAL, GREAT ENERGY SAVING EFFECT (SAVING OF POWER FEE, REDUCTION OF POWER AMOUNT AND REDUCTION OF CO_2) IS OBTAINED

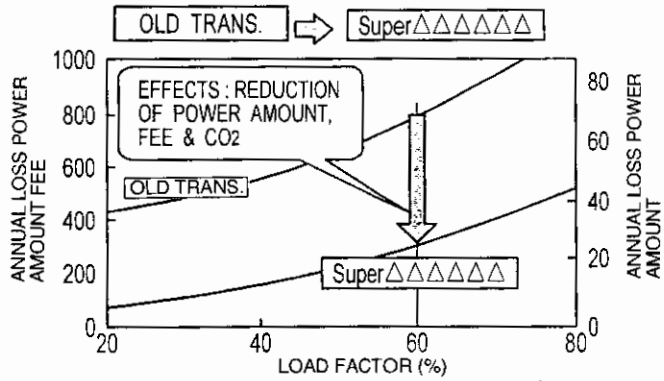
■NEW INSTALLATION (1,000kVA)



1 ANNUAL LOSS POWER AMOUNT FEE (THOUSAND YEN/YEAR)=[NO-LOAD LOSS (W)+LOAD LOSS (W)×(LOAD FACTOR)^2]/1,000×365 (DAYS)×24(h)×UNIT ELECTRICITY RATE (11 YEN/kWh)/1,000

2 CO_2 REDUCTION AMOUNT (t/year) : CALCULATED ACCORDING TO CO_2 EMISSION CCOEFFICIENT 0.423 [kg-CO_2/kWh] AT POWER RECEIVING END IN 1990. (NOTE : C EMISSION COEFFICIENT BY CARBON CONVERSION IS 0.106 [kg-C/kWh])

■RENEWAL (EXAMPLE OF 1,000kVA)



1 ANNUAL LOSS POWER AMOUNT FEE (THOUSAND YEN/YEAR)=[NO-LOAD LOSS (W)+LOAD LOSS (W)×(LOAD FACTOR)^2]/1,000×365 (DAYS)×24(h)×UNIT ELECTRICITY RATE (11 YEN/kWh)/1,000

2 CO_2 REDUCTION AMOUNT (t/year) : CALCULATED ACCORDING TO CO_2 EMISSION CCOEFFICIENT 0.423 [kg-CO_2/kWh] AT POWER RECEIVING END IN 1990. (NOTE : C EMISSION COEFFICIENT BY CARBON CONVERSION IS 0.106 [kg-C/kWh])

◎ WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK "NATIONWIDE BUSINESS WINDOWS" AND ORDER A NEARBY DEALER

203a

FIG. 6

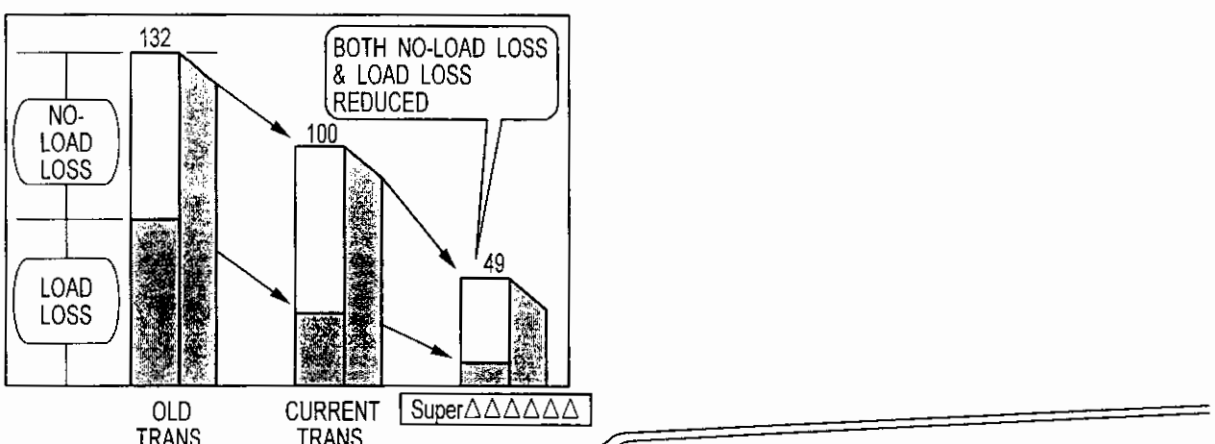
204

◎◎HOME | SEARCH |

● FEATURE 2

IMPROVED WINDING STRUCTURE OF EMPLOYING CORE MADE OF AMORPHOUS ALLOY ENABLED REDUCTION OF TOTAL LOSS BY ABOUT 50% (WHEN COMPARED TO EXISTING STANDARD)

■ LOSS (EXAMPLE OF 1,000kVA, 60% LOAD FACTOR)



◎ WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK "NATIONWIDE BUSINESS WINDOWS" AND ORDER A NEARBY DEALER

204a

8 Mar 2006

FIG. 7

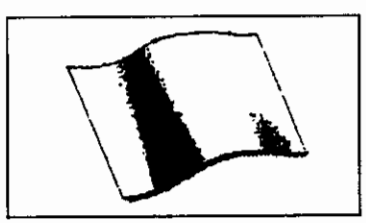
205

◎◎HOME | SEARCH |

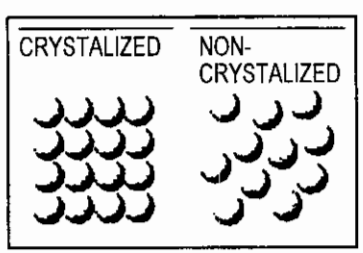
● FEATURE 3

MERIT PRODUCED BY ATOMIC ARRAY STRUCTURE OF AMORPHOUS ALLOY APPLIED TO TRANSFORMER CORE

AMORPHOUS ALLOY IS AN AMORPHOUS SOLID OBTAINED BY ABRUPTLY COOLING A RAW MATERIAL INCLUDING IRON, BORON, SILICON, ETC. FROM ITS MELTED STATE. THE ALLOY HAS A RANDOM STRUCTURE OF ATMOS RANDOMLY ARRANGED AND HAS A SMALL ENERGY LOSS (HYSTERESIS LOSS) GENERATED BY PASSING MAGNETIC FLUX THROUGH THE CORE. SINCE THE ALLOY CAN BE MADE AS THIN AS ABOUT 0.03mm AND THUS WHEN COMPARED TO A SILICON STEEL BAND, IT CAN REDUCE NO-LOAD LOSS (HYSTERESIS LOSS +EDDY CURRENT LOSS) DOWN TO ABOUT 1/5.



▲ AMORPHOUS ALLOY



▲ SCHEMATIC DIAGRAM OF AMORPHOUS ALLOY

◎ WHEN YOU WISH "NEW INSTALLATION" OR "RENEWAL" FOR YOUR TRANSFORMER, CLICK "NATIONWIDE BUSINESS WINDOWS" AND ORDER A NEARBY DEALER

205a

8 Mar 2006

FIG. 8

206

◎◎HOME | SEARCH |

BUSSINESS WINDOW

| MOTOR | INV/SERVO | PLC | SW/BREAKER | TRANSFORMER |
| HOIST/BLOCK | CLEANER | COMPRESSOR | PUMP | FAN/BLOWER | IJ PRINTER |

BUSSINESS WINDOW LIST ☆A CLICK OF [DEALER] DISPLAYS A DEALER LIST

K.K. ◎◎ WORKS		
HOKKAIDO BRANCH	POSTAL CODE : 060-00XX ADDRESS : KITANIJO ... CHUOU-KU, SAPPORO-SHI TEL : 011-261-XXXX (REPRESENTATIVE) FAX : 011-221-XXXX BUSINESS AREAS: HOKKAIDO	DEALER 206a
TOHOKU BRANCH	POSTAL CODE : 980-85XX ADDRESS : AOBA-KU 1-CHOME, SENDAI-SHI TEL : 022-223-XXXX (REPRESENTATIVE) FAX : 022-223-XXXX BUSINESS AREAS: AOMORI,AKITA,IWATE,MIYAGI,YAMAGATA,FUKUSHIMA	DEALER 206b
INDUSTRIAL EQUIPMENT GROUP GENERAL BUSINESS HEADQUARTER	POSTAL CODE : 261-71XX ADDRESS : MIHAMA-KU NAKASE, CHIBA-SHI TEL : 043-297-XXXX (REPRESENTATIVE) FAX : 043-390-XXXX BUSINESS AREAS: IBARAKI,TOCHIGI,GUNNMA, SAITAMA,CHIBA,TOKYO, NIIGATA,YAMANASHI,NAGANO	DEALER 206c
YOKOHAMA BRANCH	POSTAL CODE : 220-00XX ADDRESS : NISHI-KU TAKASHIMA, YOKOHAMA-SHI TEL : 045-451-XXXX (REPRESENTATIVE) FAX : 045-451-XXXX BUSINESS AREAS: KANAGAWA,SHIZUOKA (EAST SIDE OF FUJI-RIVER)	DEALER 206d
HOKURIKU BRANCH	POSTAL CODE : 920-08XX ADDRESS : MOTOMACHI KANAZAWA-SHI TEL : 076-263-XXXX (DIAL-IN) FAX : 076-263-XXXX BUSINESS AREAS: TOYAMA,ISHIKAWA,FUKUI	DEALER 206e
CHUBU BRANCH	POSTAL CODE : 460-84XX ADDRESS : NAKA-KU SAKAE, NAGOYA-SHI TEL : 052-243-XXXX (REPRESENTATIVE) FAX : 052-259-XXXX BUSINESS AREAS: GIFU, SHIZUOKA(WEST SIDE OF FUJI RIVER),AICHI,MIE	DEALER 206f
KANSAI BRANCH	POSTAL CODE : 559-85XX ADDRESS : SUMINOE-KU MINAMIMINATO HIGASHI, OSAKA-SHI TEL : 06-6616-XXXX (REPRESENTATIVE) FAX : 06-6616-XXXX BUSINESS AREAS: SHIGA,KYOTO,OSAKA,HYOUGO,NARA,WAKAYAMA	DEALER 206g
CHUGOKU BRANCH	POSTAL CODE : 730-00XX ADDRESS : NAKA-KU MOTOMACHI, HIROSHIMA-SHI TEL : 082-223-XXXX (REPRESENTATIVE) FAX : 082-222-XXXX BUSINESS AREAS: TOTTRI,SHIMANE,OKAYAMA,HIROSHIMA,YAMAGUCHI	DEALER 206h
SHIKOKU BRANCH	POSTAL CODE : 760-00XX ADDRESS : CHUOUCHOU, TAKAMATSU-SHI TEL : 087-831-XXXX (REPRESENTATIVE) FAX : 087-836-XXXX BUSINESS AREAS: TOKUSHIMA,KAGAWA,EHIME,KOUCHI	DEALER 206i
KYUSHU BRANCH	POSTAL CODE : 814-85XX ADDRESS : HAYARA-KU, HYAKUDOUHAMA, FUKUOKA-SHI TEL : 092-852-XXXX (REPRESENTATIVE) FAX : 092-844-XXXX BUSINESS AREAS: FUKUOKA,SAGA,NAGASAKI,KUMAMOTO,OITA,MIYAZAKI KAGOSHIMA,OKINAWA	DEALER 206j

[RETURN]

FIG. 9

207

◎◎HOME | SEARCH |

DEALERS BELONGING TO CHUGOKU BRANCH

| TOTTORI | SHIMANE | OKAYAMA | HIROSHIMA | YAMAGUCHI |

TOTTORI

	DEALER NAME	BUSINESS OFFICE	TEL	ADDRESS
207a	TOTTORI ○△ (K.K)	HEADQUARTER	0857-22-XXXX	TOTTORI-SHI
		YONAGO BRANCH	0859-22-XXXX	YONAGO-SHI

SHIMANE

	DEALER NAME	BUSINESS OFFICE	TEL	ADDRESS
207b	□□DENKI (K.K.)	HEADQUARTER	0852-26-XXXX	MATSUE-SHI
		ANRAI	0854-23-XXXX	ANRAI-SHI
		HAMADA	0855-23-XXXX	HAMADA-SHI
		OKI	08512-2-XXXX	OKI-SHI

OKAYAMA

	DEALER NAME	BUSINESS OFFICE	TEL	ADDRESS
207c	△□DENKI (K.K.)	HEADQUARTER	086-263-XXXX	OKAYAMA-SHI
207d	△△DENKI (K.K.)	CHUGOKU BRANCH OKAYAMA	086-422-XXXX	KURASHIKI-SHI
		CHUGOKU BRANCH TSUYAMA	0868-22-XXXX	TSUYAMA-SHI

HIROSHIMA

	DEALER NAME	BUSINESS OFFICE	TEL	ADDRESS
207e	(K.K.) HIROSHIMA◎◎	HEADQUARTER	086-284-XXXX	AKI-GUN
		FUKUYAMA BRANCH	0849-23-XXXX	FUKUYAMA-SHI
207f	△△DENKI (K.K.)	CHUGOKU BRANCH	082-247-XXXX	HIROSHIMA-SHI
		CHUGOKU BRANCH KURE	0823-24-XXXX	KURE-SHI

YAMAGUCHI

	DEALER NAME	BUSINESS OFFICE	TEL	ADDRESS
207g	○□SHOJI (K.K.)	HEADQUARTER	0833-41-XXXX	SHIMOMATSU-SHI
207h	YAMAGUCHI □△DENKI (K.K.)	HEADQUARTER	083-972-XXXX	YOSHIKI-GUN
		IWAKUNI	0827-21-XXXX	IWAKUNI-SHI
207i	△△DENKI (K.K.)	CHUGOKU BRANCH TOKUYAMA	0834-21-XXXX	TOKUYAMA-SHI

[RETURN]

FIG. 10

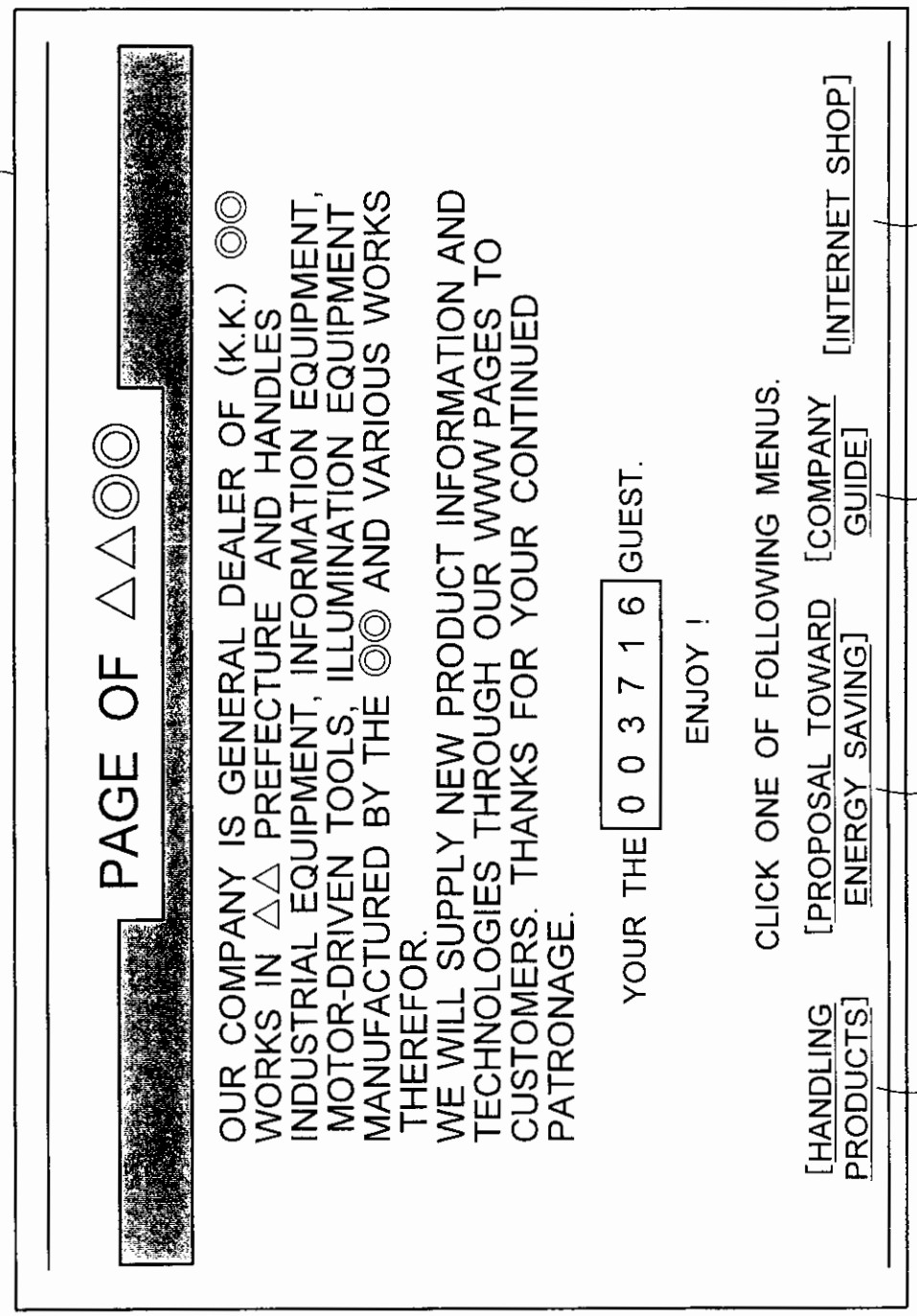

301
PAGE OF △△◎◎
OUR COMPANY IS GENERAL DEALER OF (K.K.) ◎◎
WORKS IN △△ PREFECTURE AND HANDLES
INDUSTRIAL EQUIPMENT, INFORMATION EQUIPMENT,
MOTOR-DRIVEN TOOLS, ILLUMINATION EQUIPMENT
MANUFACTURED BY THE ◎◎ AND VARIOUS WORKS
THEREFOR.
WE WILL SUPPLY NEW PRODUCT INFORMATION AND
TECHNOLOGIES THROUGH OUR WWW PAGES TO
CUSTOMERS. THANKS FOR YOUR CONTINUED
PATRONAGE.
YOUR THE 0 0 3 7 1 6 GUEST.
ENJOY !
CLICK ONE OF FOLLOWING MENUS.
[HANDLING PRODUCTS]
[PROPOSAL TOWARD ENERGY SAVING]
[COMPANY GUIDE]
[INTERNET SHOP]
301a
301b
301c
301d

FIG. 11

302

PROPOSAL TOWARD ENERGY SAVING

△△◎◎ PRPPOSES ENERGY SAVING.

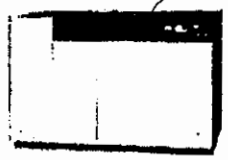
HERE IS AN INTRODUCTION OF PART OF ENERGY-SAVED EQUIPMENT OF ◎◎ INDUSTRIAL EQUIPMENT


302a

INVERTER


302b

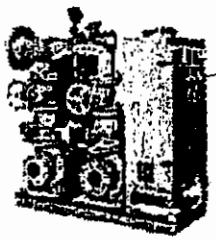
HIGH EFFICIENCY MOTOR


302c

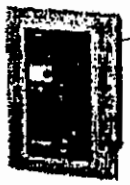
INVERTER SCREW COMPRESSOR


302d

INVERTER-DRIVEN BLOWER


302e

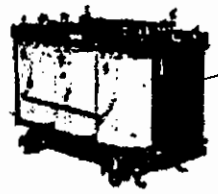
INVERTER-DRIVEN PUMP


302f

H-NET


302g

SUPERAMORPHOUS TRANSFORMER


302h

SUPERAMORPHOUS MOLD TRANSFORMER

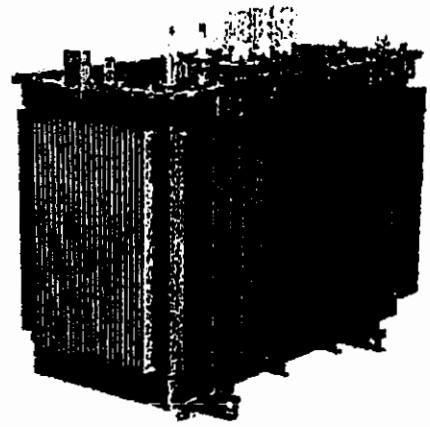
FOR DETAILS, CLICK THE ABOVE PHOTOS.

FIG. 12

303

◎◎ SUPER-ENERGY-SAVED TRANSFORMER

Super△△△△△△



TOTAL LOSS ABOUT 1/2, SUPER-ENERGY-SAVED TRANSFORMER DEMANDED BY OUR AGE

ELECTRIC ENERGY IS A MUST IN INDUSTRIES AND LIVINGS A TRANSFORMER FOR ELECTRICITY RECEPTION AND DISTRIBUTION FOR SUPPORTING OUR ELECTRICITY USE IS REQUIRED TO HAVE A HIGH ENERGY CONVERSION EFFICIENCY

■ FEATURES:

1. REMARKABLY REDUCED "NO-LOAD LOSS" AND "LOAD LOSS" AND REALIZATION OF "ENERGY SAVING" AND "MINIMUM RUNNING COST"
2. IMPROVED WINDING STRUCTURE OF EMPLOYING CORE MADE OF AMORPHOUS ALLOY ENABLED REDUCTION OF TOTAL LOSS BY ABOUT 50% (WHEN COMPARED TO EXISTING STANDARD)
3. MERIT OBTAINED BY THE ATOM ARRAY STRUCTURE OF AMORPHOUS ALLOY APPLIED TO THE CORE OF THE TRANSFORMER

● AIMING AT EARTH-FRIENDRY ENTERPRISE, WE ◎◎ PROPOSES ENERGY SAVING

● WHEN YOU HAVE "RENEWAL" OR "NEW INSTALLATION" TO SUPER-ENERGY-SAVED TRANSFORMER IN MIND, PLEASE CLICK ONE OF FOLLOWING MENUS ?

[RENEWAL] [NEW INSTALLATION]

303a 303b

FIG. 13

304

[CUSTOMERS]

★OUR COMPANY IS △△◎◎, A GENERAL DEALER OF (K.K.) ◎◎ WORKS

★WE RECEIVED MANY MESSAGES SAYING "I AM EXAMINING" RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER" THANKS FOR YOUR ORDER

★IN OUR (K.K.) ◎◎ WORKS, IN ORDER THAT CUSTOMERS CAN WELL APPRECIATE ECONOMICAL EFFECTS BASED ON "RENEWAL" AND SUPPORT CUSTOMERS' ENVIRONMENTAL MANAGEMENT (ISO14001 STANDARD),WE CONDUCT FOUR STEPS WHICH FOLLOW

FIRST STEP : GRASPING POWER USE CONDITION

- INSTALLATION AND WIRING OF MEASURING CIRCUIT OF FIG. 1 TO MEASURE LOAD FACTOR, TRANSFORMER LOSS, ETC.
- THE INSTALLATION AND WIRING IS DONE BY ENGINEERS OF (K.K) ◎◎ WORKS, □□ FACTORY

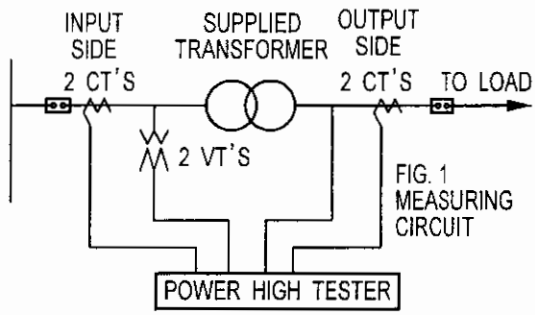


FIG. 1 MEASURING CIRCUIT

SECOND STEP : PROPOSAL OF TRANSFORMER RENEWAL

- AFTER MEASURING YOUR POWER USE CONDITION IN ABOUT 2 WEEKS, WE WILL SUGGEST THE TRANSFORMER OPTIMUM RENEWAL PROPOSAL ON THE BASIS OF THE MEASUREMENTS AND INFORMS YOU OF ITS ECONOMICAL AND ENVIRONMENTAL EFFECTS.

THIRD STEP : YOUR JUDGEMENT OF RENEWAL

- PLEASE JUDGE OUR RENEWAL PROPOSAL

FOURTH STEP : SETTING OF INSTALLATION DATE/ADVICES FOR CALCULATION OF CO_2 REDUCTION AMOUNT, ETC.

- LET ME ADVISE THE SETTING OF THE INSTALLATION DATE OF THE SUPER-ENERGY-SAVED TRANSFORMER AND THE CALCULATION OF REDUCED POWER AMOUNT AND CO_2 AMOUNT AFTER RENEWAL

★IF YOU ANSWER FOLLOWING QUESTIONS AND CLICK "SEND", THEN (K.K.) ◎◎ WORKS, □□ FACTORY WILL CONTACT YOU ABOUT DETAILS OF THE FIRST STEP

① WHAT IS SPECIFICATIONS OF YOUR TRANSFORMER NOW IN USE

CAPACITY	PHASE NUMBER	PRIMARY VOLTAGE	SECONDAY VOLTAGE	NUMBER OF TRANSFORMERS	MANUFACTURED YEAR	MANUFACTURE
▼	▼	▼	▼	▼	▼	▼
▼	▼	▼	▼	▼	▼	▼
▼	▼	▼	▼	▼	▼	▼
▼	▼	▼	▼	▼	▼	▼
▼	▼	▼	▼	▼	▼	▼

② ABOUT 4 HOURS OF "POWER FAILURE" IS REQUIRED FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT POSSIBLE ? YES ◉ NO ○

③ WHEN IS YOUR DESIRED DATE FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT ? ▼

[SEND] [CANCEL]

FIG. 14A

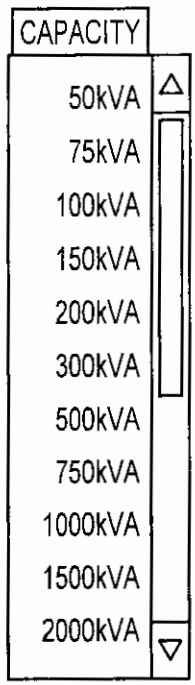


FIG. 14B

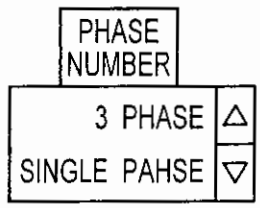


FIG. 14C

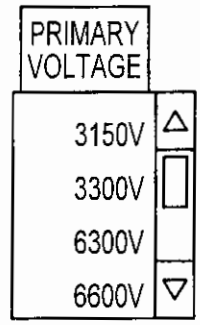


FIG. 14D

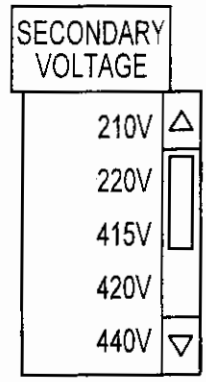


FIG. 14E

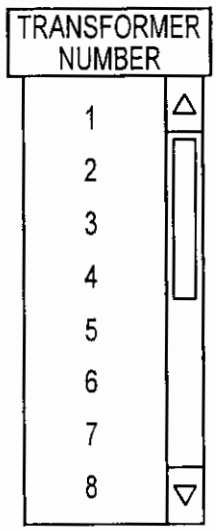


FIG. 14F

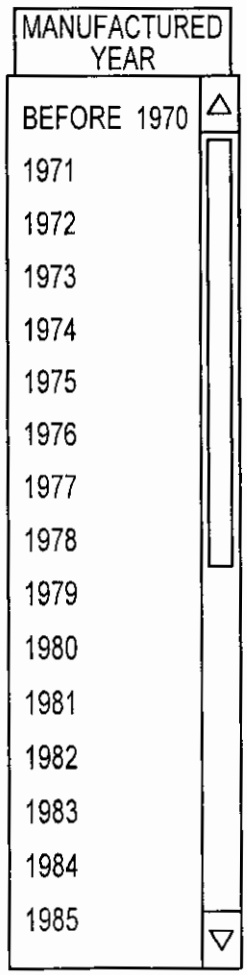


FIG. 14G

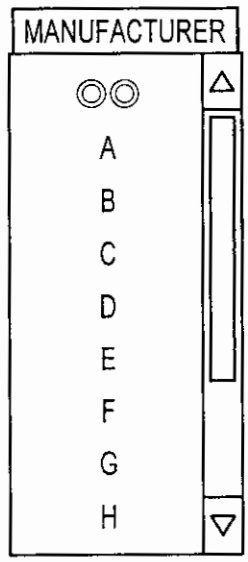


FIG. 14H

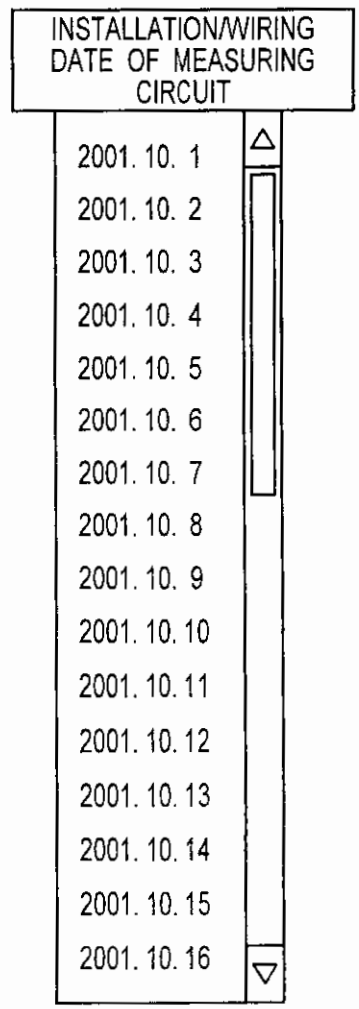


FIG. 15

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[CUSTOMERS]

★OUR COMPANY IS △△◎◎, A GENERAL DEALER OF (K.K.) ◎◎ WORKS

★WE RECEIVED MESSAGE SAYING "I AM EXAMINING" RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER" THANKS FOR YOUR ORDER

★IN OUR (K.K.) ◎◎ WORKS, IN ORDER THAT CUSTOMERS CAN WELL APPRECIATE ECONOMICAL EFFECTS BASED ON "RENEWAL" AND SUPPORT CUSTOMERS' ENVIRONMENTAL MANAGEMENT (ISO14001 STANDARD),WE CONDUCT FOUR STEPS WHICH FOLLOW

FIRST STEP : GRASPING POWER USE CONDITION

- INSTALLATION AND WIRING OF MEASURING CIRCUIT OF FIG. 1 TO MEASURE LOAD FACTOR, TRANSFORMER LOSS, ETC.
- THE INSTALLATION AND WIRING IS DONE BY ENGINEERS OF (K.K) ◎◎ WORKS, □□ FACTORY

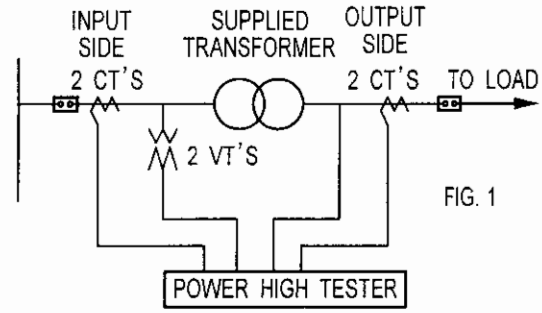


FIG. 1

SECOND STEP : PROPOSAL OF TRANSFORMER RENEWAL

- AFTER MEASURING YOUR POWER USE CONDITION IN ABOUT 2 WEEKS, WE WILL SUGGEST THE TRANSFORMER OPTIMUM RENEWAL PROPOSAL ON THE BASIS OF THE MEASUREMENTS AND INFORMS YOU OF ITS ECONOMICAL AND ENVIRONMENTAL EFFECTS.

THIRD STEP : YOUR JUDGEMENT OF RENEWAL

- PLEASE JUDGE OUR RENEWAL PROPOSAL

FOURTH STEP : SETTING OF INSTALLATION DATE/ADVICES FOR CALCULATION OF CO_2 REDUCTION AMOUNT, ETC.

- LET ME ADVISE THE SETTING OF THE INSTALLATION DATE OF THE SUPER-ENERGY-SAVED TRANSFORMER AND THE CALCULATION OF REDUCED POWER AMOUNT AND CO_2 AMOUNT AFTER RENEWAL

★IF YOU ANSWER FOLLOWING QUESTIONS AND CLICK "SEND", THEN (K.K.) ◎◎ WORKS, □□ FACTORY WILL CONTACT YOU ABOUT DETAILS OF THE FIRST STEP

① WHAT IS SPECIFICATIONS OF YOUR TRANSFORMER NOW IN USE

CAPACITY	PHASE NUMBER	PRIMARY VOLTAGE	SECONDAY VOLTAGE	NUMBER OF TRANSFORMERS	MANUFACTURED YEAR	MANUFACTURE
50kVA ▼	SINGLE PHASE ▼	3150V ▼	210V ▼	2 ▼	1978 ▼	◎◎ ▼
500kVA ▼	3 PHASE ▼	6600V ▼	210V ▼	2 ▼	1975 ▼	◎◎ ▼
1000kVA ▼	3 PHASE ▼	6600V ▼	210V ▼	4 ▼	1975 ▼	◎◎ ▼
▼	▼	▼	▼	▼	▼	▼
▼	▼	▼	▼	▼	▼	▼

② ABOUT 4 HOURS OF "POWER FAILURE" IS REQUIRED FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT POSSIBLE ? YES ◉ NO ○

③ WHEN IS YOUR DESIRED DATE FOR THE INSTALLATION AND WIRING OF THE MEASURING CIRCUIT ? 2001.10.20 ▼

[SEND] [CANCEL]

FIG. 16

401

[CUSTOMERS]

★ WELCOME TO (K.K.) ◎◎ WORKS, □□ FACTORY !

★ THANKS FOR YOUR ORDER OF "RENEWAL TO SUPER-ENERGY-SAVED TRANSFORMER" FOR AN ACCEPTANCE TABLE BELOW

★ THANKS FOR YOUR CONTINUED PATRONAGE OF OUR TRANSFORMERS 401a

401b

ORDER ACCEPTANCE TABLE FROM ☆☆ INDUSTRY (K.K.)						
DEALER NAME	HIROSHIMA : (K.K.) △△◎◎				DATE ACCEPTED : 08 / 08 / 2001	
ORDER	TRANSFORMER RENEWAL				ORDER No. : 34-056	
TRANSFORMER IN USE	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MANUFACTURED YEAR	MANUFACTURER
	50kVA	SINGLE PHASE	3150V/210V	2	1978	◎◎
	500kVA	3 PHASE	6600V/210V	2	1975	◎◎
	1000kVA	3 PHASE	6600V/210V	1	1975	◎◎
DESIRED DATE OF INSTALLATION / WIRING OF MEASURING CIRCUIT					10 / 20 / 2001	
POWER FAILURE UPON INSTALLATION / WIRING OF MEASURING CIRCUIT					POSSIBLE	

★ AS A RESULT OF SCHEDULE CONFIRMATION BY OUR FACTORY ENGINEERS, WE ACCEPTED 10 / 20 (Sa.), 2001 AS YOU WISH 401c

★ IN ORDER TO PROMOTE SMOOTH INSTALLATION / WIRING OF THE MEASURING CIRCUIT, WE WOULD LIKE TO CONTACT YOU ABOUT PREVIOUS INSPECTION OF YOUR TRANSFORMERS (ON-THE-SPOT CONFIRMATION AND BRIEF ARRANGEMENT). I WOULD LIKE TO BE APPRECIATED FOR YOUR "SEND" BY OCTOBER 1ST

① PLEASE ENTER YOUR DESIRED DATE FOR PREVIOUS INSPECTION
FIRST PREFERENCE ▼ ▼
SECOND PREFERENCE ▼ ▼
THIRD PREFERENCE ▼ ▼

② PLEASE ENTER YOUR ADDRESS / COMPANY NAME / PERSON TO BE CONTACTED / TELEPHONE NUMBER

ADDRESS TO BE VISITED	
COMPANY NAME	
PERSON TO BE CONTACT	
TELEPHONE NUMBER	

401d

③ YOUR TRANSFORMER IN USE INSTALLED INDOORS OR OUTDOORS ? INDOORS◉ OUTDOORS○

④ THE MEASURING CIRCUIT IS OF AN INDOORS INSTALLATION TYPE . INDOORS INSTALLATION POSSIBLE ? YES◉ NO ○

[SEND] [CANCEL]

FIG. 17A

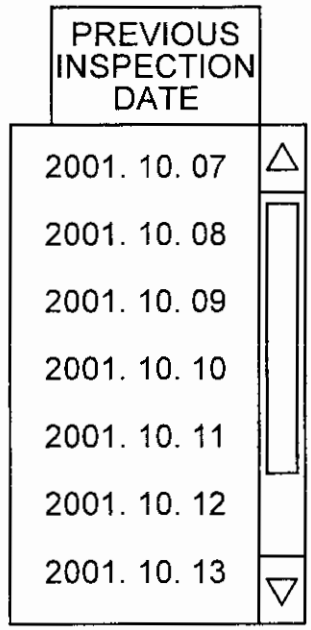


FIG. 17B

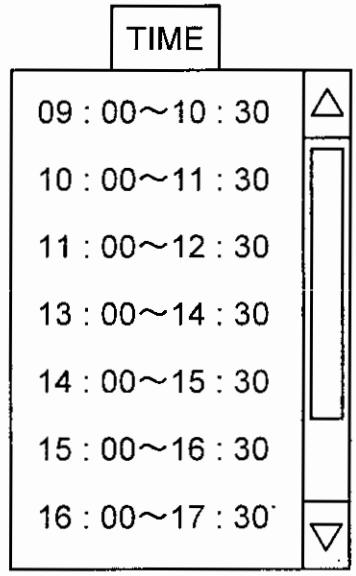


FIG. 18

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[CUSTOMERS]

★ WELCOME TO (K.K.) ◎◎ WORKS, □□ FACTORY !

★ THANKS FOR YOUR ORDER OF "RENEWAL TO SUPER-ENERGY-SAVED TRANSFORMER" FOR AN ACCEPTANCE TABLE BELOW

★ THANKS FOR YOUR CONTINUED PATRONAGE OF OUR TRANSFORMERS

ORDER ACCEPTANCE TABLE FROM ☆☆ INDUSTRY (K.K.)						
DEALER NAME	HIROSHIMA : (K.K.) △△◎◎				DATE ACCEPTED : 08 / 08 / 2001	
ORDER	TRANSFORMER RENEWAL				ORDER No. : 34-056	
TRANSFORMER IN USE	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MANUFACTURED YEAR	MANUFACTURER
	50kVA	SINGLE PHASE	3150V/210V	2	1978	◎◎
	500kVA	3 PHASE	6600V/210V	2	1975	◎◎
	1000kVA	3 PHASE	6600V/210V	1	1975	◎◎
DESIRED DATE OF INSTALLATION / WIRING OF MEASURING CIRCUIT					10 / 20 / 2001	
POWER FAILURE UPON INSTALLATION / WIRING OF MEASURING CIRCUIT					POSSIBLE	

★ AS A RESULT OF SCHEDULE CONFIRMATION BY OUR FACTORY ENGINEERS, WE ACCEPTED 10 / 20 (Sa.), 2001 AS YOU WISH

★ IN ORDER TO PROMOTE SMOOTH INSTALLATION / WIRING OF THE MEASURING CIRCUIT, WE WOULD LIKE TO CONTACT YOU ABOUT PREVIOUS INSPECTION OF YOUR TRANSFORMERS (ON-THE-SPOT CONFIRMATION AND BRIEF ARRANGEMENT). I WOULD LIKE TO BE APPRECIATED FOR YOUR "SEND" BY OCTOBER 1ST

① PLEASE ENTER YOUR DESIRED DATE FOR PREVIOUS INSPECTION

FIRST PREFERENCE 2001.10.12 ▼ 15:00~ ▼

SECOND PREFERENCE 2001.10.10 ▼ 10:00~ ▼

THIRD PREFERENCE 2001.10.09 ▼ 15:00~ ▼

② PLEASE ENTER YOUR ADDRESS / COMPANY NAME / PERSON TO BE CONTACTED / TELEPHONE NUMBER

ADDRESS TO BE VISITED	○△-CHO XXXX BANCHI, □□-SHI HIROSHIMA
COMPANY NAME	☆☆ INDUSTRY (K.K.), □□ FACTORY
PERSON TO BE CONTACT	☆☆ INDUSTRY (K.K.), POWER DEPART., △△ JIRO
TELEPHONE NUMBER	XXX-XXX-XXXX

③ YOUR TRANSFORMER IN USE INSTALLED INDOORS OR OUTDOORS ? INDOORS◉ OUTDOORS○

④ THE MEASURING CIRCUIT IS OF AN INDOORS INSTALLATION TYPE . INDOORS INSTALLATION POSSIBLE ? YES◉ NO ○

[SEND] [CANCEL]

FIG. 19

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☆☆ INDUSTRY (K.K.) POWER DEPART., Mr. △△ JIRO

★THIS IS (K.K.) ◎◎ WORKS, □□ FACTORY

★SURELY ACCEPTED YOUR CONTACT DATED ON 08 / 16 / 2001 REGARDING PREVIOUS INSPECTION FOR YOUR ORDER OF "RENEWAL TO SUPER-ENERGY- SAVED TRANSFORMER"

402a

ORDER ACCEPTANCE TABLE FROM ☆☆ INDUSTRY (K.K.)						
DEALER NAME	HIROSHIMA : (K.K.) △△◎◎				DATE ACCEPTED : 08 / 08 / 2001	
ORDER	TRANSFORMER RENEWAL				ORDER No. : 34-056	
TRANSFORMER IN USE	CAPACITY	PHASE No.	VOLTAGE	TRANSFORMER NUMBER	MANUFACTURED YEAR	MANUFACTURER
	50kVA	SINGLE PHASE	3150V/210V	2	1978	◎◎
	500kVA	3 PHASE	6600V/210V	2	1975	◎◎
	1000kVA	3 PHASE	6600V/210V	1	1975	◎◎
DESIRED DATE OF INSTALLATION / WIRING OF MEASURING CIRCUIT					10 / 20 / 2001	
POWER FAILURE UPON INSTALLATION / WIRING OF MEASURING CIRCUIT					POSSIBLE	

402b

PREVIOUS INSPECTION ACCEPTANCE TABLE	DATE ACCEPTED : 2001.08.16
PREVIOUS INSPECTION DATE	10 / 12 / 2001 15:00～16:00
VISITING PLACE	☆☆ INDUSTRY (K.K.) LOCATED AT ○△-CHO, XXXX BANCHI,□□-SHI, HIROSHIMA
PERSON TO BE CONTACTED	☆☆ INDUSTRY (K.K.), POWER DEPART. Mr. △△ JIRO
TELEPHONE NUMBER	XXX-XXX-XXXX

★AS TO PREVIOUS INSPECTION DATE, AS A RESULT OF SCHEDULE CONFIRMATION BY ENGINEERS OF OUR COMPANY, WE ACCEPTED YOUR FIRST PREFERENCE: 10 / 12 (Fri.) / 2001,15:00-16:30

★△△ JIRO AT POWER DEPART. OF OUR COMPANY WILL VISIT

402c

★FOR LATER CONTACT WITH OUR COMPANY, PLEASE CONTACT THE FOLLOWING ADDRESS

MAIL ADDRESS : XXXX@XX.XXXXXX.XXXXXXX.XX.XX

TEL : XXX-XXX-XXXX FAX : XXX-XXX-XXXX

402d

FIG. 20

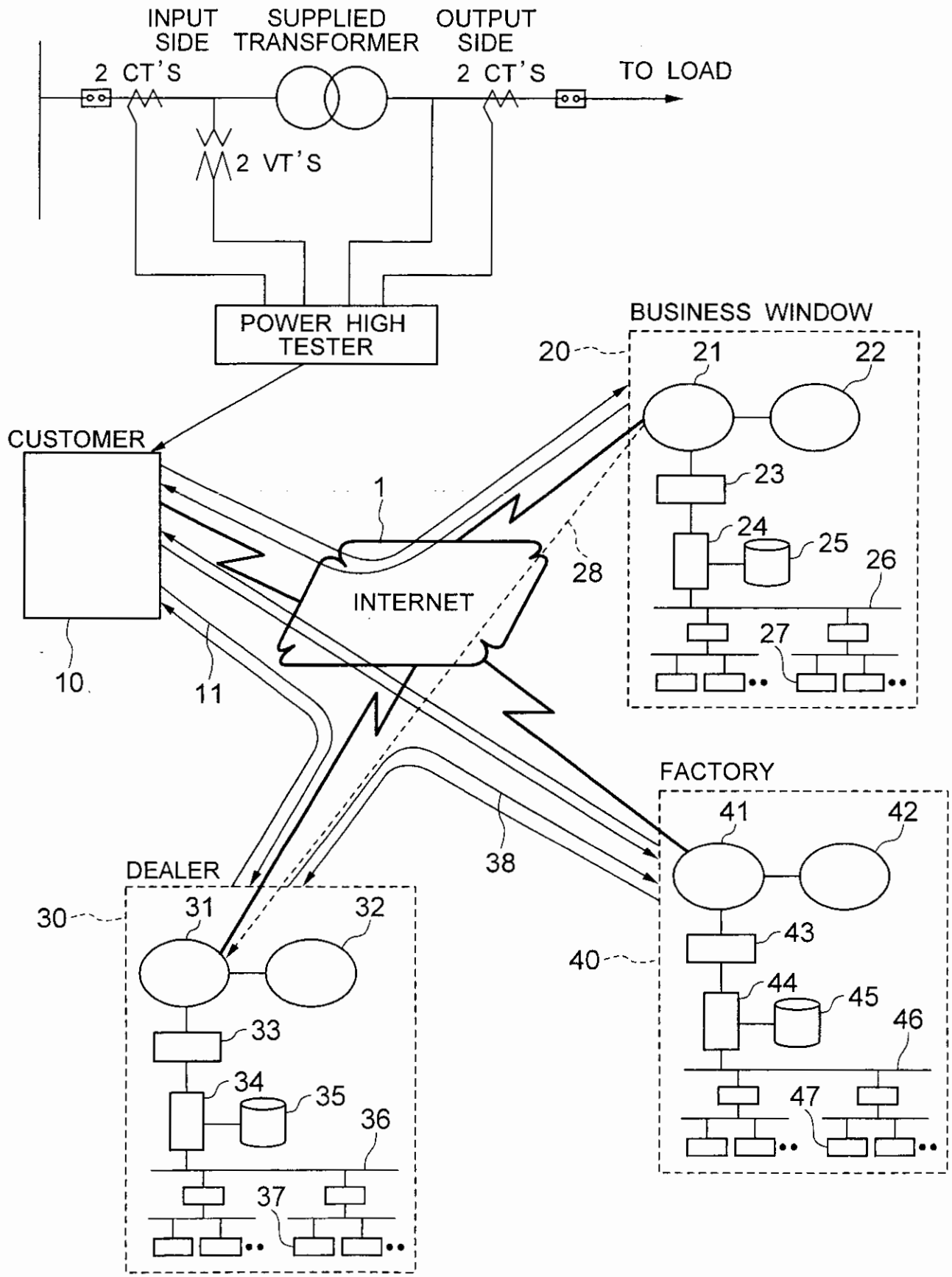

INPUT SIDE
SUPPLIED TRANSFORMER
OUTPUT SIDE
2 CT'S
2 CT'S
TO LOAD
2 VT'S
POWER HIGH TESTER
BUSINESS WINDOW
20
21
22
23
24
25
26
27
CUSTOMER
1
INTERNET
28
10
11
FACTORY
41
42
43
44
45
46
47
40
38
DEALER
30
31
32
33
34
35
36
37

FIG. 21

EXAMPLE OF MEASURED RESULTS AT TRANSFORMER INPUT/OUTPUT SIDES.

MEASUREMENT DATE	INPUT SIDE (AVERAGE PER DAY)				OUTPUT SIDE (AVERAGE PER DAY)				
	VOLTAGE (V) U12	CURRENT (A) I12	EFFECTIVE POWER (W) P12	POWER FACTOR PF12	VOLTAGE (V) U34	CURRENT (A) I34	LOAD FACTOR	EFFECTIVE POWER (W) P34	POWER FACTOR PF34
2000/12/18(Mon.)	6597	49.74	412.870	0.710	3407	90.67	0.526	406,943	0.745
19(Tue.)	6643	47.00	384.072	0.696	3434	85.17	0.499	378,323	0.735
20(Wed.)	6635	48.01	392.243	0.702	3428	87.22	0.510	386,373	0.740
21(Thurs.)	6635	48.00	390.984	0.695	3428	87.19	0.511	385,065	0.731
22(Fri.)	6640	37.51	300.676	0.694	3442	67.13	0.407	295,577	0.740
25(Mon.)	6582	24.75	192.568	0.575	3425	42.71	0.280	188,427	—
26(Tue.)	6628	31.45	247.225	0.683	3442	55.56	0.320	242,748	0.731
27(Wed.)	6639	31.70	248.380	0.681	3447	55.96	0.323	243,858	0.729
28(Thurs.)	6634	27.91	207.457	0.475	3449	48.15	0.344	202,873	—

8 Mar 2006

FIG. 22

POWER AMOUNT SHIFT AT INPUT / OUTPUT SIDES
SERIES 1 : INPUT SIDE
SERIES 2 : OUTPUT SIDE

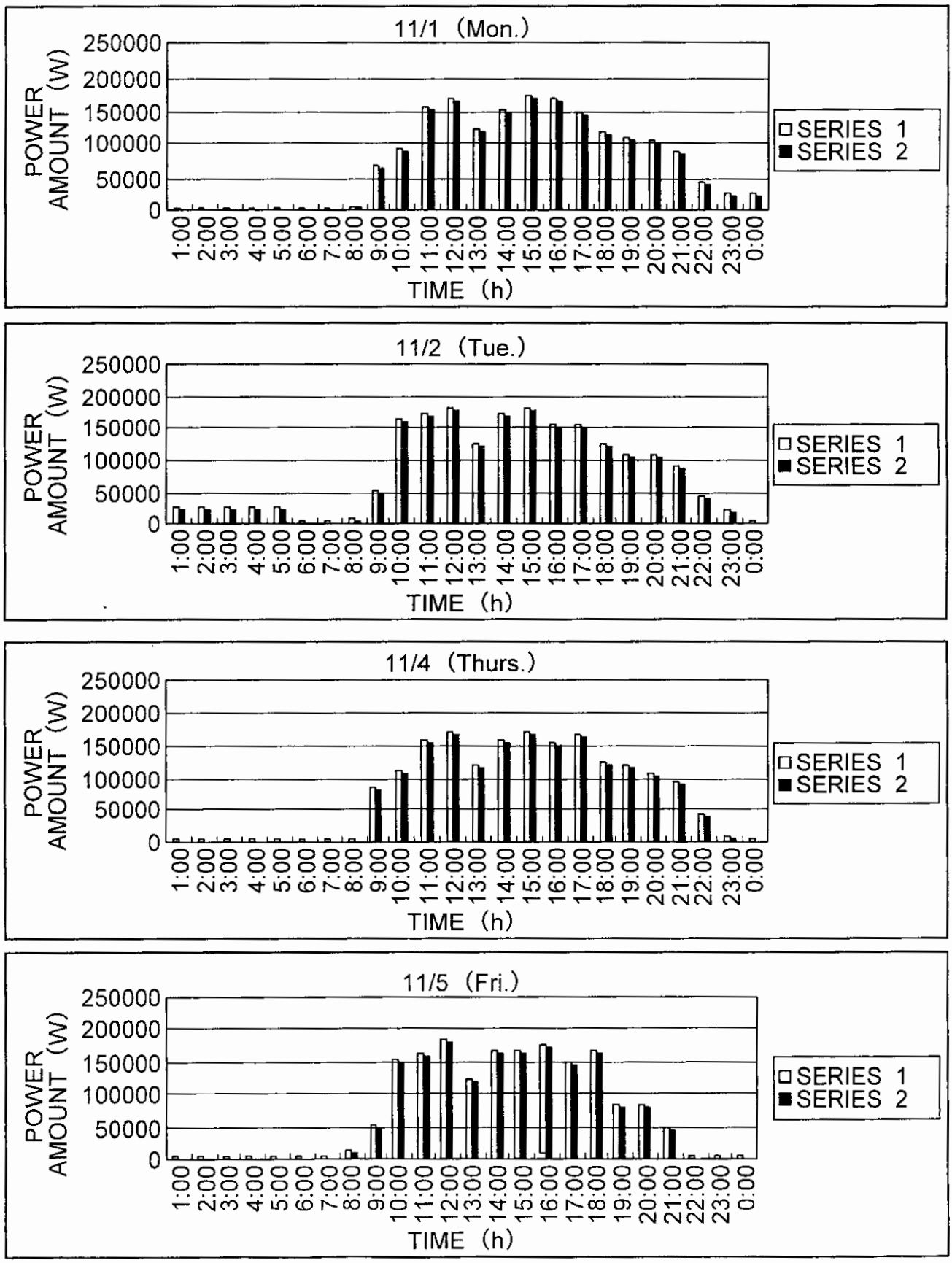


FIG. 23

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☆☆ INDUSTRY (K.K.)
POWER DEP., Mr. △△ JIRO

2001.11.5
(K.K.) ◎◎ WORKS, □□ FACTORY
△△ DEPARTMENT, Mr. ○○ TARO

RE : PROPOSAL TO "RENEWAL TOWARD SUPER-ENERGY-SAVED TRANSFORMER"

AS A RESULT OF OUR MEASUREMENT OF YOUR POWER USE CONDITION THROUGH 2 WEEKS FROM 10/22/2001 TO 11/02/2001, WE SUGGEST THE OPTIMUM RENEWAL PROPOSAL AS FOLLOWS THREE FEATURES OF THE RENEWAL ARE AS FOLLOWS. PLEASE EXAMINE IT

REMARKS:

1. RENEWAL FEATURES
   (1) AS OUR EXAMINATION OF TRANSFORMER COMBINATION, 5 TRANSFORMERS CAN BE COMBINED INTO 3 TRANSFORMERS
   (2) THE RENEWAL TO OUR SUPER-ENERGY-SAVED TRANSFOMER ENABLES REDUCTION OF POWER AMOUNT TO XX.X MWh / YEAR AND ALSO REDUCTION OF POWER FEE TO XXX, 000 YEN / YEAR
   (3) ENVIRONMENTALLY REDUCTION OF CO_2 TO XX.X T / YEAR CAN BE REALIZED

2. PROPOSAL TO RENEWAL

TRANSFORMER	CURRENT STATE		EXAMINED CONTENTS	OUR RENEWAL PROPOSAL
	CAPACITY	MAIN LOAD		
No.1	50kVA	GENERAL POWER, OUTLET	·SMALL LOAD ·SHIFT LOAD TO No.4 TRANSFORMER	COMBINE IT INTO No.4 TRANSFORMER
No.2	500kVA	DRYING FURNACE, PRESS, ILLUMINATOR, etc.	·SMALL LOAD ·LESS INFLUENCED BY NOISE, VOLTAGE VARIATIONS	COMBINE INTO A SINGLE TRANSFORMER OF 500kVA
No.3	500kVA			
No.4	50kVA	GENERAL POWER, OUTLET	·SMALL LOAD ·INCREASE CAPACITY INCLUDING PROSPECTED CAPACITY CORRESPONDING TO LOAD SHIFT OF No.1 TRANSFORMER	COMBINE INTO No.1 TRANSFORMER OF 75kVA
No.5	1000kVA	WELDING MACHINE PRESS, ILLUMINATOR, etc.	·INTERMITTENT LOAD, SUFFICIENT CAPACUITY ·WORKABILITY IS NOT INFLUENCED EVEN BY CAPACITY REDUCTION	COMBINE INTO A SINGLE TRANSFORMER OF 750kVA

3. WE ARE WAITING FOR YOUR CONTACT
   ○WANT TO PROCEED RENEWAL AS YOUR PROPOSAL. WANT KNOW MORE DETAILED EXPLANTION
   ○MY QUESTION IS AS FOLLOW. WAIT FOR YOUR REPLY

[SEND] [CANCEL]

FIG. 24

Mr. TARO SCHEDULE

	8	9	10	11	12	13	14	15	16	17
2001.10.08 (Mon.)			FACTORY MEETING							
2001.10.09 (Tue.)										
2001.10.10 (Wed.)						MOVE				
2001.10.11 (Thurs)	KURASHIKI-SHI, OKAYAMA (COMPANY A)					OKAYAMA-SHI, OKAYAMA (COMPANY B)				
2001.10.12 (Fri.)	TSUYAMA-SHI, OKAYAMA (COMPANY C)					MOVE				
2001.10.13 (Sat.)										
2001.10.14 (Sun.)	HOLIDAY									
2001.10.15 (Mon.)		MOVE				SHIMONOSEKI-SHI, YAMAGUCHI (COMPANY D)				
2001.10.16 (Tue.)	TOKUYAMA-SHI, YAMAGUCHI (COMPANY E)					MOVE				
2001.10.17 (Wed.)										
2001.10.18 (Thurs)	YONAGO-SHI, TOTTORI (COMPANY F)					TOTTORI-SHI, TOTTORI (COMPANY G)				
2001.10.19 (Fri.)	MOVE									
2001.10.20 (Sat.)										
2001.10.21 (Sun.)	HOLIDAY									
2001.10.22 (Mon.)										
2001.10.23 (Tue.)	MOVE					HIMEJI-SHI, HYOGO (COMPANY H)				
2001.10.24 (Wed.)	AIOI-SHI, HYOGO (COMPANY I)					AKO-SHI, HYOGO (COMPANY J)				
2001.10.25 (Thurs)	MOVE									
2001.10.26 (Fri.)										