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Execution Date: September 21, 2001

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Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.Street Address: Kadoma Osaka, 571-8501 JapanAdditional name(s) & address(es) attached? NO

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:

A. Patent Application No.(s)
09/909,823, filed July 23, 2001

B. Patent No.(s)

Additional numbers attached? NO5. Name and address of party to whom correspondence
concerning document should be mailed:Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: David M. Ovedovitz, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00

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PATENT
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To the Honorable Assistant Secretary and Controller and Copy(ies) thereof.

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1. Name of conveying party(ies):

Carsten BURMEISTER and Rolf HAKENBERG

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Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.Street Address: Kadoma Osaka, 571-8501 JapanAdditional name(s) & address(es) attached? No

3. Nature of conveyance:

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☐ Security Agreement ☐ Change of Name
☐ Other ☐Execution Date: September 5, 2001 and September 7, 2001

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:

A. Patent Application No.(s)
09/909,823, filed July 23, 2001B. Patent No.(s)
, issued

Additional numbers attached?

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Nils E. Pedersen, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00☒ Enclosed (Check No. 46776)
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9. Statement and signature.

*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.*Nils E. Pedersen, Reg. No. 33,145
Name of Person Signing

Signature

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10/05/2001 6TOM11 00000075 09909823

01 FC:581

40.00 00

PATENT
REEL: 012587 FRAME: 0346

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Carsten BURMEISTER

Rolf HAKENBERG

Insert Name(s)
of Assignee(s)

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Address

of Kadoma Osaka, 571-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

METHOD AND APPARATUS FOR TRANSMITTING DATA PACKETS

for which an application for patent in the United States has been executed by the undersigned

on _____

Date of Signing
of Application

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.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States 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 covenants that he has (they have) 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 firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 United States Patent Office for recordal of this document.

PA 33122 US

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date x 05.09.2001

Carsten Burmeister
Carsten BURMEISTER

Date x 7.09.2001

Rolf Hakenberg
Rolf HAKENBERG

Date _____

Date _____

Date _____

Date _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness _____

Witness _____

ACKNOWLEDGMENT

} ss

This _____ day of _____, 19____, before me personally came the

above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. NEW Filing Date July 24, 2001

Applicant Reference Number PA 33122-035/bm Atty Docket No. 2001-0943A

Title of Invention METHOD AND APPARATUS FOR TRANSMITTING DATA PACKETS

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Carsten BURMEISTER

Rolf HAKENBERG

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)
of Assignee(s)

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Address

of Kadoma Osaka, 571-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

METHOD AND APPARATUS FOR TRANSMITTING DATA PACKETS

for which an application for patent in the United States has been executed by the undersigned

on _____

Date of Signing
of Application

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.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States 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 covenants that he has (they have) 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 firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 United States Patent Office for recordal of this document.

PA 33 131 US

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 21.09.2001

Carsten Burmeister
Carsten BURMEISTER

Date 21.9.2001

Rolf Hakenberg
Rolf HAKENBERG

Date _____

Date _____

Date _____

Date _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness _____

Witness _____

ACKNOWLEDGMENT

_____ } ss
_____ }

This 21 day of September, 2001 before me personally came the above-named Carsten Burmeister, Rolf Hakenberg to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Panasonic
Panasonic European Laboratories
GmbH
Monzastr. 4c · D-63225 Langen

R. G. S.
Official Signature

IPR Manager
Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. NEW Filing Date July 23, 2001

Applicant Reference Number PA 33121-035/bm Atty Docket No. 2001-0944A

Title of Invention METHOD AND APPARATUS FOR TRANSMITTING DATA PACKETS