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torney Docket No. 9432-000152

Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

REC



ET U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner c

101995308

ached original documents or copy thereof.

1. Name of conveying party(ies):  
Ibrahim Kamel  
Khaled Elbassioni  
Beizhong Chen

2. Name and address of receiving party(ies)  
Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: Corporate Intellectual Property Division

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: 1006 Kadoma

City: Kadoma City, Osaka State: Japan  
Zip: 571-8501

Execution Date(s): February 8, 2002

Additional Name(s) & address(es) attached? ☐ Yes ☒ 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: February 8, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10/075514

Additional numbers attached? ☐ Yes ☐ No

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

Name: Gregory A. Stobbs

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and/or patents involved: 1

7. Total fee (37 CFR 3.41) . . . . . \$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

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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.*

Timothy D. MacIntyre  
Name of Person Signing

[Signature]  
Signature

February 13, 2002  
Date

Total number of pages including cover sheet, attachments, and documents: 3  
Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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PATENT  
REEL: 012599 FRAME: 0558

# ASSIGNMENT

Atty. Docket No. 9432-000152

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## EFFICIENT SERVICE MANAGEMENT IN HOME GATEWAYS

for which Assignor is about to make or has made United States or International application for patent

- (a) ☒ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c) ☐ filed on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. \_\_\_\_\_;
- (d) ☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_; and

WHEREAS, Matsushita Electric Industrial Co., Ltd., 1006 Kadoma, Kadoma City, Osaka, Japan 571-8501, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

# ASSIGNMENT

Ibrahim Kamel

2/08/02  
Date

Khaled Elbassioni

2/08/02  
Date

Beizhong Chen

2/08/02  
Date