

10-11-2001

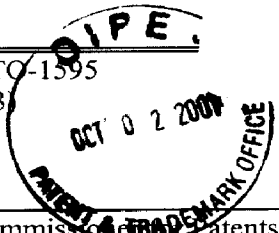


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Attorney Docket No.: 041514-5121

FORM PTO-1595
(Rev. 6-93)



To the Commissioner of Patents
Please record the attached original documents or copy thereof. **ATTN: BOX ASSIGNMENT**

1. Name of conveying party(ies):

1) Naofumi HIRAYAMA
2) Mizuki TOMONO
3) Yoshinori NAKATSUKA
4) Mikiko ARAKAWA
5) Katsumi KOBAYASHI

Additional names of conveying party(ies) attached?
 Yes No

10-201

2. Names and addresses of receiving party(ies):

Names: 1) Pioneer Corporation
2) Pioneer Design Corporation

Internal Address:

Street Addresses: Both of 4-1, Meguro 1-chome,
Meguro-ku, Tokyo, Japan

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached?
 Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 1) July 23, 2001, 2) July 23, 2001,
3) July 23, 2001, 4) July 23, 2001
and 5) August 3, 2001

4. New Application number(s) or patent number(s): 09/871,702

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) _____ B. Patent No.(s) _____

Additional numbers attached: Yes No

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

Name: John G. Smith

Internal Address: **Morgan, Lewis & Bockius LLP**
Customer No. 09629

Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: _____

7. Total fee (37 C.F.R. §3.41): \$40.00
 Enclosed
 Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310
 (Attach duplicate page if paying by deposit account)

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.

John G. Smith
 Name of Person Signing

Signature

October 2, 2001
 Date

Total number of pages including cover sheet, attachments and documents: 3

10/04/2001 BABRWAI 00000033 09871702
01 FC:581 40.00 DP

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

and

Pioneer Design Corporation of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

PORTABLE TELEPHONE

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on June 4, 2001,

serial No. 09/871,702

1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

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

3. The undersigned agree 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.

4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United states patent to the ASSIGNEE.

5. The undersigned hereby authorize and request the commissioner of Patents in the United States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

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

The undersigned hereby authorize the firm of

MORGAN LEWIS & BOCKIUS LLP at the address of
1800 M Street, N.W., Washington, D.C. 20036-5869, U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

July 23, 2001

Date

Naofumi HIRAYAMA

Typed Name: Naofumi HIRAYAMA

July 23, 2001

Date

Mizuki TOMONO

Typed Name: Mizuki TOMONO

July 23, 2001

Date

Yoshinori NAKATSUKA

Typed Name: Yoshinori NAKATSUKA

July 23, 2001

Date

Mikiko ARAKAWA

Typed Name: Mikiko ARAKAWA

August 3, 2001

Date

Katsumi KOBAYASHI

Typed Name: Katsumi KOBAYASHI