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[FAMILY NAME (ALL CAPS), Given Name]
KATSUDA, Yasutoshi
OGURA, Takeshi
ONO, Satoshi
Additional name(s) of conveying party(ies) attached?
 YES NO

2. Name and address of receiving party(ies)
Name: **SHARP KABUSHIKI KAISHA**
Internal Address:
Street Address: **22-22, Nagaike-cho, Abeno-ku**
City: **Osaka** State: ZIP:
Country: **JAPAN** Postal Code: **545-8522**
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Execution Date: **January 9, 2004; January 13, 2004;**
January 13, 2004

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: **January 9, 2004; January 13, 2004; January 13, 2004**
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A. Patent Application No(s). **NEW**
B. Patent No.(s).
Additional numbers attached? YES NO

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **BIRCH, STEWART, KOLASCH & BIRCH, LLP**
Street Address: **P.O. BOX 747**
City: **FALLS CHURCH** State: **VA** ZIP: **22040-0747**
Country: **USA**

6. Total No. of applications/patents involved: **One (1)**
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Charles Gorenstein, #29,271 *Paul C. Birch #19382* **January 22, 2004**
Name of Person Signing/Reg. No. Signature Date

Total number of pages including cover sheet, attachments, and document: **Three (3)**

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The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion or reissue thereof or Letter Patent(s) 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.

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

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

Date January 9, 2004

Name of Inventor Yasutoshi Katuda
(signature) Yasutoshi KATSUDA

Date January 13, 2004

Name of Inventor Takeshi Ogura
(signature) Takeshi OGURA

Date January 13, 2004

Name of Inventor Satoshi Ono
(signature) Satoshi ONO

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)