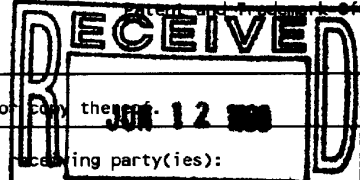


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100748463



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HIROYUKI MIYAWAKI; YASUO IWASAKI

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Street Address: 7-35, Kitashinagawa 6-chome, Shinagawa-ku

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Execution Date: March 9, 1998; March 9, 1998

Application number(s) or patent number(s):

A. Patent Application No.(s): 08/973,998
International filing Date: April 10, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: W. Patrick Bengtsson, Esquire

Internal Address: Limbach & Limbach L.L.P.
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PATENT

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100748463 08973998 40.00 06/26/1998

Assignment

FOR VALUE RECEIVED HIROYUKI MIYAWAKI, YASUO IWASAKI

subject of Japan

residing at both of KANAGAWA, JAPAN

hereby sell, assign, transfer and convey unto SONY CORPORATION

a corporation of Japan

having a place of business at 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan

(hereinafter called the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to

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and described in an application for Letters Patent of the United States 35 U.S.C. 371 resulting from the International Application No. PCT/JP 97/01250 filed on April 10, 1997 and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent which may be filed, and all Letters Patent which may be granted, upon said inventions in any countries foreign to the United States, and all reissues, renewals and extensions thereof; and hereby authorize and request the Commissioner of Patents of the United States, and all officials of countries foreign to the United States having authority so to do, to issue all Letters Patent upon said inventions to the Assignee, its successors, assigns or legal representatives or to such nominee as it may designate.

AND we authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from

AND we hereby consent that copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee, its successors, assigns and legal representatives, all facts known to we pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and in general perform all lawful acts necessary or proper to aid said Assignee, its successors, assigns and legal representatives or nominee in obtaining, maintaining and enforcing lawful patent protection for said inventions, in any and all countries.

IN WITNESS WHEREOF, we hereunto set our hand and seal
this 9th day of March, 1998

Hiroyuki Miyawaki
HIROYUKI MIYAWAKI
Yasuo Iwasaki
YASUO IWASAKI

Witness: *Miho Nishiyama*
MIHO NISHIYAMA

Address: c/o SONY CORPORATION, 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo, Japan

Witness: *Miko Shimaoka*
MIKO SHIMAOKA

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Shinagawa-ku, Tokyo, Japan