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Name: Mitsubishi Denki Kabushiki Kaisha

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Chiyoda-ku

City: Tokyo

State: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): August 3, 2000

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

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Executive Order 9424, Confirmatory License

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4. Application or patent number(s):

A. Patent Application No.(s)

09/642,154

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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MITSUBISHI DENKI KABUSHIKI KAISHA
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(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled OFDM Frame Synchronisation
which was executed by the inventor(s) Steve duncan
on _____ or was filed on _____
and accorded Serial No. _____ (hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the Assignor will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

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