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12-22-03

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Name: MITSUBISHI DENKI KABUSHIKI KAISHA

Address: 2-3, Marunouchi 2-Chome, Chiyoda-Ku,  
Tokyo 100-8310 Japan

3. Nature of Conveyance:

- Assignment  Merger
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Execution Date: October 16, 2003

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22581 U.S.P.T.O.  
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4. Application number(s) or patent number(s):

10740431

If this document is being filed together with a new application, the execution date of the application is: October 16, 2003

A. Patent Application No.(s)

B. Patent No.(s)

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ASSIGNMENT

In consideration of the sum of One dollar (US\$ 1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

- 1) PENTHER Bertrand  
a French citizen, residing at:  
39, Square Louis Boulanger  
35700 RENNES  
FRANCE

hereby sell, assign and transfer to:

MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3, Marunouchi  
2-Chome Chiyoda-Ku  
100-8310 TOKYO  
JAPON

(hereinafter called the Assignee) the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

"Link adaptation process"

- a) which application was executed by the undersigned on the 16<sup>th</sup> day of October 2003
- b) filed on the            day of  
Serial No.

including any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial property.

It is hereby authorized and requested that the Commissioner of Patents and Trademarks issue any and all 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 undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers, and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at Rennes (FRANCE)  
this 16<sup>th</sup> day of October 2003  
Inventor(s)

PENTHER Bertrand

