

05-16-2001



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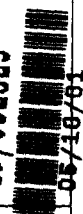
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## Conveying Party(ies)

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2. Toyomi OOSHIGE
3. Hiroyuki SASAO
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5. Yukimori KISHIDA
6. Mitsuru TSUKIMA

## Execution Date(s)

April 17, 2001

April 17, 2001

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☒ Mark if Additional Names of Conveying Parties Attached

## Receiving Party

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Attorney Docket No. 401195

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## Patent Application Numbers

## Patent Numbers

09/852025

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

April 17, 2001

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Fee Amount for Properties Listed (37 CFR 3.41): 40.00

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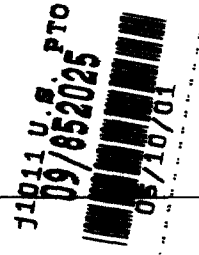
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**Conveying Party(ies)**

7. Toshie TAKEUCHI  
8.  
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10.  
11.  
12.

**Execution Date(s)**

April 17, 2001

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Month Day Year  
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**Patent Cooperation Treaty (PCT)**

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**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, \_\_\_\_\_  
 Kenichi KOYAMA, Toyomi OOSHIGE, Hiroyuki SASAO, Hiroyuki AKITA,  
 Yukimori KISHIDA, Mitsuru TSUKIMA and Toshie TAKEUCHI

hereby sells, assigns and transfers to

**MITSUBISHI DENKI KABUSHIKI KAISHA**  
 of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(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  
 SWITCHING APPARATUS

which was executed by the undersigned on \_\_\_\_\_ the dates indicated below  
 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 undersigned 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.

**INVENTOR(S) :**

(Kenichi KOYAMA) Kenichi Koyama  
 (Toyomi OOSHIGE) Toyomi Ooshige  
 (Hiroyuki SASAO) Hiroyuki Sasao  
 (Hiroyuki AKITA) Hiroyuki Akita  
 (Yukimori KISHIDA) Yukimori Kishida  
 (Mitsuru TSUKIMA) Mitsuru Tsukima  
 (Toshie TAKEUCHI) Toshie Takeuchi

**DATE**

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