

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiromu SAKAI</td> <td>02/10/2012</td> </tr> <tr> <td>Hitoshi AMEMIYA</td> <td>02/10/2012</td> </tr> <tr> <td>Takanori KIKUCHI</td> <td>02/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hiromu SAKAI	02/10/2012	Hitoshi AMEMIYA	02/10/2012	Takanori KIKUCHI	02/10/2012
Name	Execution Date								
Hiromu SAKAI	02/10/2012								
Hitoshi AMEMIYA	02/10/2012								
Takanori KIKUCHI	02/10/2012								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>KOA CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>3672 Arai</td> </tr> <tr> <td>City:</td> <td>Ina-shi, Nagano</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	KOA CORPORATION	Street Address:	3672 Arai	City:	Ina-shi, Nagano	State/Country:	JAPAN
Name:	KOA CORPORATION								
Street Address:	3672 Arai								
City:	Ina-shi, Nagano								
State/Country:	JAPAN								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13402140</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13402140				
Property Type	Number								
Application Number:	13402140								
CORRESPONDENCE DATA									
<p>Fax Number: (202)822-1111</p> <p>Email: patentmail@whda.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Westerman, Hattori, Daniels &amp; Adrian, LL</p> <p>Address Line 1: 1250 Connecticut Ave., NW</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>									
ATTORNEY DOCKET NUMBER:	120210								
NAME OF SUBMITTER:	Crystal Boyer								
<p>Total Attachments: 1</p> <p>source=120210_Assignment_02_14_2012#page1.tif</p>									

OP \$40.00 13402140

**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's  
Name(s) Address(es))

**201) KOA CORPORATION**  
of 3672, Arai, Ina-shi, Nagano, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

**METHOD FOR MANUFACTURING A RESISTOR**

(\*If the assignment is  
being filed after the  
filing of the  
application, this  
section must be  
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\* filed on \_\_\_\_\_ Serial No.

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Hiromu Sakai  
(Signature)

Hiromu SAKAI  
(Type Name)

February 10, 2012  
(Date)

Hitoshi Amemiya  
(Signature)

Hitoshi AMEMIYA  
(Type Name)

February 10, 2012  
(Date)

Takanori Kikuchi  
(Signature)

Takanori KIKUCHI  
(Type Name)

February 10, 2012  
(Date)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Type Name)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Type Name)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Type Name)

\_\_\_\_\_  
(Date)

NO LEGALIZATION REQUIRED

**PATENT**