

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yasunari HOSOI	10/08/2008
Kazuya ISHIHARA	10/08/2008
Takahiro SHIBUYA	10/08/2008
Tetsuya OHNISHI	10/14/2008
Takashi NAKANO	10/08/2008
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12298818
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NAME OF SUBMITTER:	H. Warren Burnam, Jr.

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Total Attachments: 2

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ASSIGNMENT OF PATENT APPLICATION

(Inventors) HOSOI, Yasunari
ISHIHARA, Kazuya
SHIBUYA, Takahiro
OHNISHI, Tetsuya
NAKANO, Takashi

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable
(Address) considerations paid to each of the undersigned, the undersigned agree(s) to assign,
and hereby does assign, transfer and set over to
SHARP KABUSHIKI KAISHA
(of 22-22 , Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
(hereinafter designated as the Assignee) the undersigned's entire right, title and
interest for the United States, its territories, dependencies and possessions, and for
the country of

(Other Countries) (in the invention, and all application for patent and any Letters Patent which
(Title) may be granted therefore, known as
VARIABLE RESISTIVE ELEMENT AND ITS MANUFACTURING METHOD
(Case No. -)

for which the undersigned has (have) executed on even date herewith an application
for patent in the United States of America or, if not on even date, then has executed
(on or has already filed in
(U.S. appln. Serial No. , filed on).
The undersigned acknowledges an obligation of assignment of this invention to said
assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the
application or any interference which may be declared and any continuing or divisional applications
thereof and also to execute separate assignments in connection with such applications as the Assignee
may deem necessary or expedient and further to perform any act which may be necessary in connection
with claims or provisions of the International Convention for Protection of Industrial Property or similar
agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a
grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any
and all Letters Patent of the United States resulting from said application or any division or divisions or
continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby
covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has
(they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on
this assignment any further identification which may be necessary or desirable in order to comply with the
rules of the United States Patent Office for recordation of this document. It is understood and agreed that
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to
represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date Oct. 8, 2008 Signature of inventor (Yasunari Hosoi
HOSOI, Yasunari

Date Oct. 8, 2008 Signature of inventor (Kazuya Ishihara
ISHIHARA, Kazuya

Date Oct. 8, 2008 Signature of inventor (Takahiro Shibuya
SHIBUYA, Takahiro

Date Oct. 14, 2008 Signature of inventor (Tetsuya Ohnishi
OHNISHI, Tetsuya

Date Oct. 8, 2008 Signature of inventor (Takashi Nakano
NAKANO, Takashi

Date _____ Signature of inventor (_____

Date _____ Signature of inventor (_____

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Date _____ Signature of inventor (_____

Date _____ Signature of inventor (_____

Date _____ Signature of inventor (_____

Date _____ Signature of inventor (_____

Date _____ Signature of inventor (_____

Witnessed by: _____

Date _____

Witnessed by: _____

Date _____

Witnessed by: _____

Date _____