

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mitoshi Umeki</td> <td>11/24/2009</td> </tr> <tr> <td>Takahiro Inoue</td> <td>11/24/2009</td> </tr> <tr> <td>Yoshiaki Amano</td> <td>11/24/2009</td> </tr> <tr> <td>Takefumi Saito</td> <td>11/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Mitoshi Umeki	11/24/2009	Takahiro Inoue	11/24/2009	Yoshiaki Amano	11/24/2009	Takefumi Saito	11/24/2009		
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Nihon Dempa Kogyo Co., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>Sasazuka NA Bldg., 1-50-1</td> </tr> <tr> <td>Internal Address:</td> <td>Sasazuka, Shibuya-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>151-8569</td> </tr> </table>		Name:	Nihon Dempa Kogyo Co., LTD.	Street Address:	Sasazuka NA Bldg., 1-50-1	Internal Address:	Sasazuka, Shibuya-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	151-8569
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (503)595-5301</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 503-595-5300</p> <p>Email: gina.horton@klarquist.com</p> <p>Correspondent Name: Donald L. Stephens Jr.</p> <p>Address Line 1: 121 SW Salmon Street, Suite 1600</p> <p>Address Line 2: One World Trade Center</p> <p>Address Line 4: Portland, OREGON 97204</p>													
ATTORNEY DOCKET NUMBER:	7991-84152-01												
NAME OF SUBMITTER:	Donald L. Stephens Jr.												

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**PATENT**  
**REEL: 023951 FRAME: 0236**

Total Attachments: 3

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# Assignment 譲渡証書

Japanese Language Assignment  
日本語による譲渡証書

(1) 発明者の名前を記入

(1) Insert Name(s) of Inventor(s)

- (a) Mitoshi UMEKI
- (b) Takahiro INOUE
- (c) Yoshiaki AMANO
- (d) Takefumi SAITO
- (e) \_\_\_\_\_
- (f) \_\_\_\_\_
- (g) \_\_\_\_\_
- (h) \_\_\_\_\_

(2) 各署名者に対し払われた有効約因および有価約因を考慮して、各署名者は、下記

(2) In consideration of good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(3) 譲受人の名前、住所、所有の歩合を記入

(3) Insert Name, Address and Percentage of Ownership of Assignee

- (3) (100%) NIHON DEMPA KOGYO CO., LTD.  
Sasazuka NA Bldg., 1-50-1  
Sasazuka, Shibuya-ku  
Tokyo, Japan 151-8569

(4) (以下譲受人と称する)、および譲受人の相続人、承継人、譲受人、ならびに法律上の代理者に、本発明と、すべての暫定的、非暫定的、分割的、継続の、代位の、再発行の出願と、開封勅許状、特許権存続期間の延長、再発行と、

(4) (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, his respective entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(5) 発明の名称を記入

(5) Insert Title

(5) PIEZOELECTRIC DEVICES AND METHODS FOR MANUFACTURING SAME

(6) 対応する外国出願番号を記入

(6) Insert Corresponding Foreign Application Number(s)

(6) JP 2008-308366, filed December 3, 2008

(7) として知られる発明(各署名者はアメリカ合衆国において、下記に明記してある出願署名日あるいは米国出願番号で出願した)に与えられる可能性のある再審査証とを含む、すべての特願において、合衆国法律集 (35U.S.C.) § 100 の定義に基づき、アメリカ合衆国についての全権利、権原、および利権を譲渡することに同意し、ここにおいて譲渡、移転、および引渡を行うものとする。

(7) for which each undersigned has executed an application for patent in the United States of America on the date(s) shown below

or identified by application number shown below

(8) 出願署名日を記入

(8) Insert Date of Signing of Application

- (8) (a) \_\_\_\_\_  
 (b) \_\_\_\_\_  
 (c) \_\_\_\_\_  
 (d) \_\_\_\_\_  
 (e) \_\_\_\_\_  
 (f) \_\_\_\_\_  
 (g) \_\_\_\_\_  
 (h) \_\_\_\_\_

(9) 出願に関する代替識別事項としての、米国出願番号ならびに出願日

(9) Alternative Identification for filed applications, U.S. Application Serial Number and Date Filed

(9) \_\_\_\_\_

(10) 各署名者は、出願ならびに本発明の継続的、分割的、または再発行の出願、およびその結果発行する任意の特許に関連する必要な全書類に署名捺印し、さらに譲受人が必要と見なしうる出願および特許に関連する個別の譲受証書に署名捺印することに同意する。

(10) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

(11) 各署名者は、本発明に関係する出願、継続、分割、または本発明に基づく特許あるいは再発行出願に関して主張されうる抵触審査に関連して必要となる全書類に署名捺印し、さらにそのような抵触審査で証拠の入手および進行においてできる限りの方法で譲受人に協力することに同意する。

(11) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

(12) 各署名者は、全書類および全文書に署名捺印し、さらに工業所有権保護国際条約または類似の協定の請求あるいは条項に関連して必要となりうる行動の実行に同意する。

(12) Each undersigned agrees to execute all papers and documents and 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.

(13) 各署名者は、譲受人に対し、有効な合衆国特許権譲受証書の入手、維持、または再発行あるいは再審査による確認が必要となりうるすべての積極的優先処遇を実行することに同意する。

(13) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

(14) 各署名者は、前述の出願の結果発生するすべての合衆国開封勅許状を、譲受人がここで譲受の全利害を譲渡する完全な権利を持ち、さらにこれに抵触する合意に署名捺印しておらず、将来署名捺印しないという全利害および契約の譲受人として、譲受人に発行する権限を特許庁長官に与え、特許庁長官に発行を申請し、さらにこの譲渡証書が譲受人本人、譲受人の相続人、承継人、譲受人、および法律上の代理人に拘束力があることに同意する。

(14) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey his respective entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

(15) 各署名者は、会社 Klarquist Sparkman, LLP に対し、本文書の記録に関する合衆国特許商標庁の規定に従うために必要なまたは望ましいその他の識別をこの証書に挿入する権限をここにおいて付与する。

(15) Each undersigned hereby grants the firm of Klarquist Sparkman, LLP, the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

(16) 以上を確認の上で、署名者の名前横の日付に署名者によって署名捺印される。

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

日付/Date : Nov. 24, 2009 発明者の署名/Inventor Signature Mitoshi UMEKI (捺印/SEAL)  
Mitoshi UMEKI

日付/Date : Nov. 24, 2009 発明者の署名/Inventor Signature Takahiro INOUE (捺印/SEAL)  
Takahiro INOUE

日付/Date : Nov. 24, 2009 発明者の署名/Inventor Signature Yoshiaki AMANO (捺印/SEAL)  
Yoshiaki AMANO

日付/Date : Nov. 24, 2009 発明者の署名/Inventor Signature Takefumi SAITO (捺印/SEAL)  
Takefumi SAITO