

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RYUJI KISHIHARA	11/17/2014
NAOYA WADA	11/17/2014
KEIICHIRO TERATOKO	11/17/2014
AKIO KIDOOKA	11/17/2014
YUU YOKOYAMA	11/17/2014
AKIRA HORI	11/17/2014
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14436802
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)371-2540
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PATENT

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<b>ATTORNEY DOCKET NUMBER:</b>	3285.0500001
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<b>NAME OF SUBMITTER:</b>	MARK W. RYGIEL
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<b>SIGNATURE:</b>	/Mark W. Rygiel, Reg. No. 45,871/
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<b>DATE SIGNED:</b>	06/09/2015
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**Total Attachments: 3**

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# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Ryuji KISHIHARA, Naoya WADA, Keiichiro TERATOKO, Akio KIDOOKA, Yuu YOKOYAMA and Akira HORI**, hereby sell and assign to **SUNCALL CORPORATION**, a corporation formed under the laws of Japan, whose mailing address is 14, Umezu Nishiura-cho, Ukyo-ku, Kyoto-shi, Kyoto, JAPAN 615-8555, **TOYOTA JIDOSHA KABUSHIKI KAISHA**, a corporation formed under the laws of Japan, whose mailing address is 1-1, Toyota-cho, Toyota-shi, Aichi, JAPAN 471-8571, and **DENSO CORPORATION**, a corporation formed under the laws of Japan, whose mailing address is 1-1, Showa-cho, Kariya-shi, Aichi, JAPAN 448-8661 (hereafter referred to as the Assignees), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as SPIRAL SPRING for which application(s) for patent in the United States of America has a filing date or a 371(c) date of 4/17/15 (also known as United States Application No. 14/436,802, <sup>AMR</sup> #45,831, which is the U.S. national phase of International Application No. PCT/2013/081240, International Filing Date November 20, 2013), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignees, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-

part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignees may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in 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.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with **CUSTOMER NUMBER 26111** are the legal representatives of, and attorneys for, the assignees, and are NOT the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: November 17, 2014 Signature of Inventor: Ryuji Kishihara  
Ryuji KISHIHARA

Date: November 17, 2014 Signature of Inventor: Naoya Wada  
Naoya WADA

Date: November 17, 2014 Signature of Inventor: Keiichiro Teratoko  
Keiichiro TERATOKO

Date: November 17, 2014

Signature of Inventor: Akio Kidoaka  
Akio KIDOOKA

Date: November 17, 2014

Signature of Inventor: Yuu Yokoyama  
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Date: November 17, 2014

Signature of Inventor: Akira Hori  
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