502456554 08/13/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard Hamilton SEWELL	01/24/2013
Andreas BENTZEN	10/16/2012
Lawrence Frederick SCHLOSS	07/24/2013
Young Seen LEE	10/25/2012
Hiroaki HAYASHIGATANI	10/29/2012
Toshio ITOH	10/26/2012
Alan Francis LYON	10/29/2012
Roger THOMPSON	01/24/2013
Nemia GRUBISICH	10/29/2012

RECEIVING PARTY DATA

Name:	RENEWABLE ENERGY CORPORATION ASA		
Street Address: P.O. Box 594			
City:	Sandvika		
State/Country:	NORWAY		
Postal Code:	1302		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13631382	

CORRESPONDENCE DATA

Fax Number: 7032058050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 205-8000

Email: mailroom@bskb.com, lboone@bskb.com

Correspondent Name: Birch, Stewart, Kolasch & Birch, LLP

Address Line 1: P.O. Box 747

Address Line 4: Falls Church, VIRGINIA 22040-0747

PATENT

REEL: 031000 FRAME: 0173

OF \$40.00 1363138Z

502456554

ATTORNEY DOCKET NUMBER:	1380-0315PUS2		
NAME OF SUBMITTER:	la tesa boone		
Signature:	/LA TESA BOONE/		
Date:	08/13/2013		
Total Attachments: 24 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031 source=2013-08-13_Assignment_1380-031	5PUS2#page2.tif 5PUS2#page3.tif 5PUS2#page4.tif 5PUS2#page5.tif 5PUS2#page6.tif 5PUS2#page6.tif 5PUS2#page7.tif		
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Attorney Docket No. 1380-0315PUS2 Execution Date: January 24, 2013

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR

	UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS
Title of Invention	⇒ BACK JUNCTION BACK CONTACT SOLAR CELL MODULE AND METHOD OF MANUFACTURING THE SAME
	As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln. No.	⇒ United States Application Number or PCT International Appln. No. 13/631,382
Enter Filing Date	⇒ filed on September 28, 2012
	The above-identified application was made or authorized to be made by me.
	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
	I have reviewed and understand the contents of the above-identified application, including the claims.
	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
	WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	→ WHEREAS, RENEWABLE ENERGY CORPORATION ASA
Insert Address of Assignee	⇒ of P.O. Box 594, 1302 Sandvika, Norway,
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	in any foreign countries.
	NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term of terms for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) 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.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR	
Inventor's Name	Date: 1/24/2013
Inventor's Signature Signature:	
An application data sheet (PTO/SB/14 or equivalent), including naming the entire in Use a separate form for each inventor; or check the box below and complete the attack.	nventive entity, must accompany this form. thed page(s) to list additional inventors.
Additional inventors are being named on the 1 supplemental sheet attached here	to.

Page 2

BSKB-DECASSIGN-SINCLE (09-12)

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name □ Inventor: Andreas BENTZEN Date: Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Structure Frederick SCHLOSS Date: Inventor's Signature & Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Young Seen LEE Date: LEGAL NAME OF JOINT INVENTOR, IF ANY ⇒Inventor: Hiroaki HAYASHIGATANI Date: Inventor's Name Inventor's Signature ⇔Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name ⇔Inventor: Toshio ITOH Date: Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name SInventor: Alan Francis LYON Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY ⇔Inventor: Roger THOMPSON Inventor's Name Date: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Sinventor: Nemia GRUBISICH Date:

Inventor's Signature Signature:

BSKB-DECASSIGN\(09-12)

Attorney Docket No. 1380-0315PUS2 Execution Date: October 16, 2012

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR

		OMIED STATES LEGS AFF LOGGICAL MIGHT
Title of Invention	e	BACK JUNCTION BACK CONTACT SOLAR CELL MODULE AND METHOD OF MANUFACTURING THE SAME
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	⇔	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln, No.	=	United States Application Number or PCT International Appln. No. 13/631,382
Enter Filing Date	=	filed on September 28, 2012
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations \S 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	4	WHEREAS, RENEWABLE ENERGY CORPORATION ASA
Insert Address of Assignee	=	of P.O. Box 594, 1302 Sandvika, Norway,
ŭ		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	5	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) 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.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name	⇔	Inventor:	Richard Hamilton SEWELL	Date:
Inventor's Signature	; ⇔	Signature:		
			O/SB/14 or equivalent), including naming the entire inventive inventive inventor; or check the box below and complete the attached pag	
\boxtimes Additional inventors are being named on the $\underline{1}$ supplemental sheet attached hereto.				

Page 2

ADDITIONAL INVENTOR(S) Supplemental Sheet Page $\underline{3}$ of $\underline{3}$

	LEGAL N.	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇒ Inventor:	Andreas BENTZEN	Date:	10/16-2012	
Inventor's Signature	⇒ Signature:	Andrew Frage			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇒ Inventor:	Lawrence Frederick SCHLOSS	Date:	·	
Inventor's Signature	⇒ Signature:				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	[⇔] Inventor:	Young Seen LEE	Date:	<u> </u>	
Inventor's Signature	⇔Signature:	taning the state of the state o			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇔Inventor:	Hiroaki HAYASHIGATANI	Date:		
Inventor's Signature	⇔Signature:				<u>,</u>
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇔Inventor:	Toshio ITOH	Date:		
Inventor's Signature	⇔Signature:		~~~~	·····	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇒Inventor:	Alan Francis LYON	Date:		
Inventor's Signature	⇔Signature:		·		
•	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇔Inventor:	Roger THOMPSON	Date:		
Inventor's Signature	ಿSignature;				<i>.</i> ,
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇔Inventor:	Nemia GRUBISICH	Date:	MANUFACTURE OF THE PARTY OF THE	<u></u>
Inventor's Signature	ಿSignature:				
		•			

BSK8-DECASSIGN\(09-12)

Attorney Docket No. 1380-0315PUS2 Execution Date: July 24, 2013

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR

BACK JUNCTION BACK CONTACT SOLAR CELL MODULE AND METHOD OF MANUFACTURING
THE SAME
As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
United States Application Number or PCT International Appln. No. 13/631,382
filed on September 28, 2012
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the above-identified application, including the claims.
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
WHEREAS, RENEWABLE ENERGY CORPORATION ASA
of P.O. Box 594, 1302 Sandvika, Norway,
its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
in any foreign countries.
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name	c>	Inventor:	Richard Hamilton SEWELL	Date:
Inventor's Signature	e ⇔	Signature:		
			O/SB/14 or equivalent), including naming the entire inventiventor; or check the box below and complete the attached pag	
Additional	l in	ventors are b	eing named on the $\underline{1}$ supplemental sheet attached hereto.	

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

ADDITIONAL INVENTOR(S) Supplemental Sheet Page $\underline{3}$ of $\underline{3}$

	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒ Inventor:	Andreas BENTZEN	Date:	
Inventor's Signature	⇔ Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒ Inventor:	Lawrence Frederick SCHLOSS	Date:	July 24, 2013
Inventor's Signature	⇔ Signature:	Lan Frederick Mr.		
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventor:	Young Seen LEE	Date:	
Inventor's Signature	⇔Signature:			
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:	Hiroaki HAYASHIGATANI	Date:	
Inventor's Signature	⇔Signature:			
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		•
Inventor's Name	⇔Inventor:	Toshio ITOH	Date:	
Inventor's Signature	⇔Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventor:	Alan Francis LYON	Date:	
Inventor's Signature	⇔Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:	Roger THOMPSON	Date:	
Inventor's Signature	⇒Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:	Nemia GRUBISICH	Date:	
Inventor's Signature	⇒Signature:			

BSKB-DECASSIGN\(09-12)

Attorney Docket No. 1380-0315PUS2 Execution Date: October 25 & 29, 2012

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

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Insert Name of Assignee	=;	WHEREAS, RENEWABLE ENERGY CORPORATION ASA
Insert Address of Assignee	4	of P.O. Box 594, 1302 Sandvika, Norway,
or a more and		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	4	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

TTOAT		TOT	13 11 73"3	mon
LEGAL	NAM	H()H	HNIVER	N I C IK

Inventor's Name	⇔ Inventor:	Richard Hamilton SEWELL	Date:
Inventor's Signature	^{e ⇒} Signature:		
		O/SB/14 or equivalent), including naming the entire inventor; or check the box below and complete the atta	
Additional	l inventors are l	being named on the $\underline{1}$ supplemental sheet attached her	eto.

Page 2

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

	LEGAL NA	ME OF JOINT INVENTOR, IF ANY		
Inventor's Name 🕏	Inventor:	Andreas BENTZEN	Date;	
Inventor's Signature ↔	Signature:			
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY		
Inventor's Narite 🗢	Inventor	Lawrence Prederick SCHLOSS	Date:	-
Inventor's Signature ⇔	' Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		to alasta
Inventor's Name	⇔Inventor:	Young Seen LEE	Date:	10/25/2012
Inventor's Signature	⇔Signature:	youngseen Le		,
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventor:	Hiroaki HAYASHIGATANI		10/29/2012
Inventor's Signature	⇔Signature:	Starli Daysligalini		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
inventor's Name	⇔Inventor:	Toshio ITOH	Date: _	
Inventor's Signature	⇔Signature:			•
	LEGAL N	IAME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventora	Alan Francis LYON	Date: _	
Inventor's Signatura	⇒Signature:			
	LEGAL N	IAME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔Inventor:	Roger THOMPSON	Date:	
Inventor's Signature	^o Signature:			
	LEGAL	NAME OF JOINT INVENTOR, IF ANY		•
Inventor's Nome	ರ್[nventor:	Nemia GRUBISICH	Date:	· · · · · · · · · · · · · · · · · · ·
Inventor's Signature	: ⇔Signature			

BSKB-DECASSIGN\(09-12)

Attorney Docket No. 1380-0315PUS2 Execution Date: October 25 & 26, 2012

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Fitle of Invention	⇔	BACK JUNCTION BACK CONTACT SOLAR CELL MODULE AND METHOD OF MANUFACTURING THE SAME
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	⇔	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln. No.	4	United States Application Number or PCT International Appln. No. 13/631,382
Enter Filing Date	⇔	filed on September 28, 2012
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	=	WHEREAS, RENEWABLE ENERGY CORPORATION ASA
Insert Address of Assignee	<	of P.O. Box 594, 1302 Sandvika, Norway,
B		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	c	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) 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.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to yest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name	⇔ Inventor:	Richard Hamilton SEWELL	Date:	
Inventor's Signatur	^{re ⇔} Signature:			
			g the entire inventive entity, must accompa blete the attached page(s) to list additional i	
Additiona	l inventors are l	being named on the $\underline{1}$ supplemental sheet ϵ	uttached hereto.	

Page 2

ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>

	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
nventor's Name 🕏	Inventor:	Andreas BENTZEN	Date:
nyentor's Sign≱ture ⇔	Signature:		
	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
nventor's Name 💛	Inventor:	Lawrence Frederick SCHLOSS	Date:
Inventor's Signature 🜣	Signature:		
•	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	1, 7/2 - 12
Inventor's Name			Date: 10/25/2012
Inventor's Signature	⇒S <u>ig</u> nature:	youngende	
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	Service March 1988
Inventor's Name	⇒Inventor;	Hiroaki HAYASHIGATANI	Date:
Inventor's Signature	⇒Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⊅]nventor:		Date:
Inventor's Signature	⇔Signature;	Tolar John	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	['] ¬Inventor:	Alan Francis LYON	Date:
Inventor's Signature	⇔Signature:		
	LEGALN	IAME OF JOINT INVENTOR, IF ANY	•
Inventor's Name	⇔Inventor:	Roger THOMPSON	Date:
Inventor's Signature	⇔Signature:		
	LEGAL N	IAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Nemia GRUBISICH	Date:
Inventor's Signature	⇒Signature:		
			·

PATENT REEL: 031000 FRAME: 0189

Attorney Docket No. 1380-0315PUS2 Execution Date: October 25 & 29, 2012

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Insert Address of Assignce	=	of P.O. Box 594, 1302 Sandvika, Norway,
		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	c	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

	LEGAL NA	AME OF INVENTOR		
Inventor's Name ⇒	Inventor:	Richard Hamilton SEWELL	Date:	
Inventor's Signature ⇔	Signature:			
		ν.		
			e entire inventive entity, must accompany this form. the attached page(s) to list additional inventors.	

 \boxtimes Additional inventors are being named on the <u>1</u> supplemental sheet attached hereto.

ADDITIONAL INVENTOR(S) Supplemental Sheet Page $\underline{3}$ of $\underline{3}$

LEGAL NAME OF JOINT INVENTOR, IF ANY

		ndreas BENTZEN	Date:
iventor's Name 👂 🗅	Inventor: A		
wontor's Signature ⇔ (Signature:		***************************************
		ME OF JOINT INVENTOR, IF ANY	
		awrence Frederick SCHLOSS	Date:
nventor's Signature 🗢	Signature:	<i>\$</i>	
		ME OF JOINT INVENTOR, IF ANY	Date: 10/25/2012
Inventor's Name 5	Inventor:)	Young Seen LEE	Date:
Inventor's Signature	⁹ Signature:	A posity.	
	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
Inventor's Name	oInventor:	Hiroaki HAYASHIGÄTÄNI	Date:
Inventor's Signature	⇔Signature:		
<i>:</i>		ME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Toshio ITOH	Dale:
Inventor's Signature		•	
	LEGAL N.	ame of joint inventor, if any	Date: 10-29-2012
Inventor's Name	^{co} Inventor:	Alan Francis LYON	pares 12
Inventor's Signature	⇔Signature:	alla Francis Lysa !	
		AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	Roger THOMPSON	
Inventor's Signature	⇔Signature:		
	LEGALN	IAME OF JOINT INVENTOR, IF ANY	Dates
Inventor's Name	⇔Inventor:	Nemia GRUBISICH	Date:
Inventor's Signatur	e ⇔Signature:		

BSXB-DECASSIGN\(09-12)

Attorney Docket No. 1380-0315PUS2 Execution Date: October 25, 2012 & January 24, 2013

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Check Box if Appropriate	¢	in any foreign countries.
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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inventor's Name	⇔	Inventor:	Richard Hamilton SEWELL	Date: _	
Inventor's Signature	⇔	Signature:			

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

 \boxtimes Additional inventors are being named on the <u>1</u> supplemental sheet attached hereto.

LEGAL NAME OF INVENTOR

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 2 of 3

	LEGAL NAME OF JOINT INVENTOR, IF ANY	
nvemor's Name 🤫	Inventor: Andreas BENTZEN	Date:
nventor's Signature 🤌	Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
inventor's Name - ♥	Inventor: Lawrence Frederick SCHLOSS	Date:
Inventor's Signature C	Signature:	na kanananan na manananan sa
	LEGAL NAME OF JOINT INVENTOR, IF ANY	Date: 10/25/20/2
	Inventor: Young Seen LEE	Date:
inventor's Signatura	Signature: Jourgeen Le	The second secon
	LEGAL NAME OF JOINT INVENTOR, IF ANY	Yanto
Inventor's Name	™ Miroaki HAYASHIGATANI	Date:
Inventor's Signature	°Signature:	
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	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	Pinventor: Alan Francis LYON	Date
Inecutor's Signature	≈Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	Date: 1/24/13
Inventor's Maute	⇒Inventor: Röger THOMPSON	Date:
Inventor's Signatur	°Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
laventar's Name	*Inventor: Nemia GRUBISICH	Date:
Inecutor's Signatur	• • Signature:	

Attorney Docket No. 1380-0315PUS2 Execution Date: October 25 & 29, 2012

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Insert Address of Assignee	4	of P.O. Box 594, 1302 Sandvika, Norway,
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		LEGAL N.	AME OF INVENTOR	
Inventor's Name	⇔	Inventor:	Richard Hamilton SEWELL	Date:
Inventor's Signature	; c >	Signature:		
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BSKB-DECASSIGN-SINGLE (09-12)

ADDITIONAL INVENTOR(S) Supplemental Sheet Page $\underline{3}$ of $\underline{3}$

•	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
tneentor's Name	Inventor:	Andreas BENTZEN	Date:
Inventor's Signature 🖘	Signature:		
	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
Inventor's Name 💛		Lawrence Frederick SCHLOSS	Date:
Inventor's Signature	. Signature:		
	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	בו מבל ביל מו
inventor's Name	⇔lnventor:	Young Seen LEE	Date:
Inventor's Signature	⇔Şignature:	Young Seen LEE	
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
javentor's Name	⇔Inventor:	Hiroaki HAYASHIGATANI	Date;
hiventor's Signature	⇔Signature:		
	LEGALN	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔]nventor:	Toshio ITOH	Date:
Inventor's Signature	⇒Signature:		
	LEGALN	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	[.] □lnventor:	Alan Francis LYON	Date:
Inventor's Signature	⇒Signature:		T.
	LEGAL N	IAME OF JOINT INVENTOR, IF ANY	,
Inventor's Name	⇔linventor:	Roger THOMPSON	Date:
Inventor's Signature	° ⇔Signature:		
	LEGAL 1	NAME OF JOINT INVENTOR, IF ANY	1
Inventor's Name	⇔Inventor:	Nemia GRUBISICH	Date: 10 29 2012-
Inventor's Signatus	™ ⇔Signature	: pui Sudivil	

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PATENT REEL: 031000 FRAME: 0198

RECORDED: 08/13/2013