504133555 12/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4189841

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMMI LIIMATAINEN	10/25/2016
MIKKO HEMMILA	11/07/2016
PASI SUIKKANEN	10/25/2016
JUHA ERKKILA	10/25/2016
KATI RYTINKI	10/25/2016
TUOMO SAARINEN	10/25/2016
TEIJO LIMNELL	10/25/2016

RECEIVING PARTY DATA

Name:	RAUTARUUKKI OYJ
Street Address:	SUOLAKIVENKATU 1
City:	HELSINKI
State/Country:	FINLAND
Postal Code:	FI-00810

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15111332

CORRESPONDENCE DATA

Fax Number: (703)816-4100

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-816-4000

Email: PTOMAIL@nixonvan.com
Correspondent Name: NIXON & VANDERHYE, PC

Address Line 1: 901 NORTH GLEBE ROAD, 11TH FLOOR

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ATTORNEY DOCKET NUMBER:	JRL-4660-48
NAME OF SUBMITTER:	JOHN R. LASTOVA
SIGNATURE:	/John R. Lastova/
DATE SIGNED:	12/19/2016

PATENT 504133555 REEL: 040658 FRAME: 0001

Total Attachments: 7 source=4660-48_DeclAssign#page1.tif source=4660-48_DeclAssign#page2.tif source=4660-48_DeclAssign#page3.tif source=4660-48_DeclAssign#page4.tif source=4660-48_DeclAssign#page5.tif source=4660-48_DeclAssign#page6.tif source=4660-48_DeclAssign#page7.tif

PATENT REEL: 040658 FRAME: 0002

Signature of witness

Document Description: Oath or declaration filed

Attorney Docket Number JRL-4660-48 First Named Inventor LIIMATAINEN, Tommi INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HOT-ROLLED ULTRAHIGH STRENGTH STEEL STRIP PRODUCT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 15/111,332 filed July 13, 2016, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, RAUTARUUKKI DY (hereinafter ASSIGNEE), an entity, having an office and place of business at Sublakivenkatu 1, FI-00810, Helsinki, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. 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; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) LIIMATAINEN Inventor's Signature: 10.2016 Witnessed by: Name:

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

25,10,2016

Witnessed by: Name.

Signature of witness:

Document Description: Oath or declaration filed JRL-4660-48 Attorney Docket Number LIIMATAINEN, Tommi First Named Inventor INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HOT-ROLLED ULTRAHIGH STRENGTH STEEL STRIP PRODUCT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 15/111,332 filed July 13, 2016, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, RAUTARUUKKI OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Suolakivenkatu 1, FI-00810. Helsinki, is desirous of acquiring an interest therein: NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. 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; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention: ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) HEMMILÂ Date: Inventor's Signature 7.11 2016

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

7 11 2016

Date

Document Description: Oath or declaration filed

Attorney Docket Number JRL-4650-48

First Named Inventor LIIMATAINEN. Tommi

	First Named Inventor LliMATAINEN, Tommi
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY (USING AN APPLICATION DATA S	
Declaration Submitted With Initial Filing OR	•
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. §	1.16(f)) required)
HOT-ROLLED ULTRAHIGH STRENGTH STE	•
(Title of the Invention)	
As a below named inventor, I hereby declare that:	
This declaration is directed to: the attached application, or United States Application Number 15/111,332 filed July 13, 2016, PCT International application number filed on	i, or
The above-identified application was made or authorized to be made by me.	
I believe I am the original inventor or an original joint inventor of a claimed in	
I hereby acknowledge that any willful false statement made in this declaration by fine or imprisonment of not more than five (5) years, or both.	n is punishable under 18 U.S.C. 1001
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	on in the Application identified above.
WHEREAS, RAUTARUUKKI OY (hereinafter ASSIGNEE), an entity, having a continuity of acquiring an interest therein;	an office and place of business at Suolakivenkatu 1, FI-
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good which are hereby acknowledged, the said ASSIGNOR by these presents he ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S America and all foreign countries, in and to the invention as described in the subsequent applications based thereon including any and all continuations, dealt resulting patents, together with the right of priority under the International Convention Relating to Patents, Designs and Industrial Models, and States of America adheres, and the ASSIGNOR hereby authorizes and requested Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successor agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented ASSIGNEE with respect to this invention;	hereby sells, assigns, and transfers unto the said S entire right, title and interest in the United States of aforesaid application, and to the said application and to all divisions, reissues, and substitutes of said application, and Convention for the Protection of Industrial Property, Inter- nd any other international agreements to which the United tests the Commissioner of Patents and Trademarks to issue ors, assigns, and legal representatives. It is understood and led only ASSIGNEE and will continue to represent only
ASSIGNOR hereby agrees to transfer a like inferest upon request of said AS representatives, and without further remuneration, in and to any improvement of or related to the said invention;	SIGNEE, its successors, assigns, and legal nts, and applications for patents based thereon, growing out
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its success to ASSIGNEE'S full protection and title in and to the invention hereby transfer	sors, assigns, and legal representatives, deemed essential arred; and
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further ASSIGNEE, for the filing and granting of foreign applications and the perfecti	remuneration, to execute any and all papers desired by ing of title thereto in ASSIGNEE.
AGREED and executed as noted below:	
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (lirst and middle (if any)) and Family Name or Surname) Pasi	SUIKKANEN
Inventor's Signature:	Date:
The state of the s	25.10,2016
Witnessed by:	
Name: Perth Million in	
	Date: 25, 10, 2016

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Document Description: Oath or declaration filed

Attorney Docket Number JRL-4660-48 First Named Inventor LIMATAINEN, Tommi INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR \boxtimes Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HOT-ROLLED ULTRAHIGH STRENGTH STEEL STRIP PRODUCT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 15/111,332 filed July 13, 2016, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, RAUTARUUKKI OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Suolakivenkatu 1, FI-00810, Helsinki, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patients, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. 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; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without furiher remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) ERKKILÄ Juha Date inventor's Signature: Witnessed by: Exic zerao Name. Date: 75/10/2016 Signature of witness

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Doc code: Oath Document Description: Oath or declaration filed

JRL-4660-48 Attorney Docket Number

First Named Inventor LIM/	ATAINEN, Tommi
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION DATA SHEET (37 CFR 1.76)	ON (37 CFR 1.63)
Declaration Submitted With Initial Filing OR	
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)	
HOT-ROLLED ULTRAHIGH STRENGTH STEEL STRIP PRODUCT	
(Tille of the Invention)	
As a below named inventor, I hereby declare that:	
This declaration is directed to: the attached application, or United States Application Number 15/111,332 filed July 13, 2016, or PCT International application number filed on	***************************************
The above-identified application was made or authorized to be made by me.	
I believe I am the original inventor or an original joint inventor of a claimed invention in the application.	
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ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representative to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and	s, deemed essential
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AGREED and executed as noted below:	
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if eny)) and Family Name or Surname) Tuomo SAAR	UNEN
Inventor's Signature: / Ulullur	204
Witnessed by: Name: Jamo Tarkka	
	,2016

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Signature of witness

Document Description: Oath or declaration filed JRL-4660-48 Attorney Docket Number LIIMATAINEN, Tommi First Named Inventor INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) HOT-ROLLED ULTRAHIGH STRENGTH STEEL STRIP PRODUCT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application N United States Application Number 15/111,332 filed July 13, 2016, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge 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 WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, RAUTARUUKKI OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Suclakivenkatu 1, Fi-00810, Helsinki, is desirous of acoulring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10,00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property. Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. 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; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) LIMNELL Teijo Inventor's Oate: Signature 25.10,2016 Witnessed by Hodam, non Name:

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25.10.2016

	Attorney Docket Number	JRL-4660-48
	First Named Inventor	LIMATAINEN, Tomm
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY USING AN APPLICATION DATA		ICATION (37 CFR 1.63
Declaration Submitted With Initial Filing OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R.)	§ 1.16(f)) réquired)	
HOT-ROLLED ULTRAHIGH STRENGTH ST	EEL STRIP PRODUCT	
(Title of the Invention)		mo-monte control of the control of t
As a below named inventor, I hereby declare that:		
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The above-identified application was made or authorized to be made by ma)	
believe I am the original inventor or an original joint inventor of a claimed in	nvention in the application.	
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WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inven	tion in the Application identified a	bove.
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NOW, THEREFORE, in consideration of Ten Dollars (310.00) and/or other of which are hereby acknowledged, the said ASSIGNOR by these presents ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR America and all foreign countries, in and to the invention as described in the subsequent applications based thereon including any and all continuations all resulting patents, together with the right of phority under the international American Convention Relating to Patents, Designs and industrial Modols, is States of America adheres, and the ASSIGNOR hereby authorizes and requal Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successagreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represent ASSIGNEE with respect to this invention;	hereby selfs, assigns, and frans? 75 entire right, title and interest in e aforesaid application, and to the divisions, reissues, and substitut il Convention for the Protection of and any other international agreen uests the Commissioner of Pater sors, assigns, and legal represen	fers unto the said to the United States of e said application and to a tes of said application, and I industrial Property, inter- ments to which the United its and Trademarks to issi- tatives. It is understood a
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Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame)		THE PROPERTY OF THE WAY WORK HAVE A WAY AND A STATE OF THE STATE OF TH
Inventors Ret Ret Repeature Red Ret	Date 25./0	RYTINKI 7. 2016
Winessed by JARKKO RAUTIAINEN		

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RECORDED: 12/19/2016

PATENT REEL: 040658 FRAME: 0009