PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3430049

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CORRECTIVE ASSIGNMENT TO RE-RECORD ASSIGNMENT previously recorded on Reel 036005 Frame 0689. Assignor(s) hereby confirms the TO CORRECT THE COUNTRY OF THE ASSIGNEE FROM SWEDEN TO SWITZERLAND.

CONVEYING PARTY DATA

Name	Execution Date
LUCA GAETANO AMARU	06/15/2015
PIERRE-EMMANUEL JULIEN MARC GAILLARDON	06/15/2015
GIOVANNI DE MICHELI	06/15/2015

RECEIVING PARTY DATA

Name:	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)
Street Address:	EPFL-TTO, EPFL INNOVATION PARK J,
City:	LAUSANNE
State/Country:	SWITZERLAND
Postal Code:	1015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14727114

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.

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Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	DMB-2590-576
NAME OF SUBMITTER:	DUANE M. BYERS
SIGNATURE:	/Duane M. Byers/
DATE SIGNED:	07/08/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 503383427 REEL: 036084 FRAME: 0475

Total Attachments: 4

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> PATENT REEL: 036084 FRAME: 0476

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3427411

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUCA GAETANO AMARU	06/15/2015
PIERRE-EMMANUEL JULIEN MARC GAILLARDON	06/15/2015
GIOVANNI DE MICHELI	06/15/2015

RECEIVING PARTY DATA

Name:	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)
Street Address:	EPFL-TTO, EPFL INNOVATION PARK J,
City:	LAUSANNE
State/Country:	SWEDEN
Postal Code:	1015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14727114

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:

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Correspondent Name:

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Address Line 1:

901 N. GLEBE RD.

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Address Line 4:

ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	DMB-2590-576
NAME OF SUBMITTER:	DUANE M. BYERS
SIGNATURE:	/Duane M. Byers/
DATE SIGNED:	07/07/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 036084 FRAME: 0477

Doc code: Oath Document Description: Oath or declaration filed			
TOTAL TELESCOPE CONTRACTOR CONTRA	Attorney Docket Number	DMB-2590-576	
	First Named Inventor	AMARÙ, Luca Gaetano	
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)	noodista kalka	
BOOLEAN LOGIC OPTIMIZATION IN MAJORIT	Y-INVERTER GRAPHS		
(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 14/727,114 filed June 1, 2015, PCT International application number filed on	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 inv	ention in the application.		
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.	is punishable under 18 U.S.C	. 1001	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	n in the Application identified a	bove.	
WHEREAS, ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL) (hereinafter ASSIGNEE), a corporation of the Country of Switzerland, having an office and place of business at EPFL-TTO, EPFL Innovation Park J, Lausanne, Switzerland 1015, 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 success to ASSIGNEE'S full protection and title in and to the invention hereby transfer	ors, assigns, and legal represe red; and	entatives, deemed essential	
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling 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)			
Luca Gaetano		AMARÙ	
Inventor's Signature:	Date: 06/35/		
Witnessed by:			
Name: ARMASINA RESEARCH			

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

Date: 15/06/2015

Dec code: Oath Decument Description: Oath or declaration filed			
and a second sec	Attorney Docket Number	DMB-2590-576	
	First Named Inventor	AMARU, Luca Gaetano	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UUSING AN APPLICATION I Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C	DATA SHEET (37 CFR 1.76)	ICATION (37 CFR 1.63)	
BOOLEAN LOGIC OPTIMIZATION IN M	**************************************	**************************************	
(Title of the Inve			
As a below named inventor, I hereby declare that:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
This declaration is directed to: the attached application, or United States Application Number 14/727,114 filed June PCT International application number filed on	1, 2015 , 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 cla	nimed invention in the application.		
I hereby acknowledge that any willful false statement made in this deby fine or imprisonment of not more than five (5) years, or both.	claration is punishable under 18 U.S.C.	1001	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an	invention in the Application identified a	bove.	
WHEREAS, ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNI Switzerland, having an office and place of business at EPFL-TTO, E acquiring an interest therein;			
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or of which are hereby acknowledged, the said ASSIGNOR by these pr ASSIGNEE, its successors, assigns, and legal representatives, ASS America and all foreign countries, in and to the invention as describe subsequent applications based thereon including any and all continu all resulting patents, together with the right of priority under the Intern American Convention Relating to Patents, Designs and Industrial Mic States of America adheres, and the ASSIGNOR hereby authorizes a said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have reassigneed with respect to this invention;	esents hereby sells, assigns, and transf IGNOR'S entire right, title and interest in d in the aforesaid application, and to the ations, divisions, reissues, and substitut national Convention for the Protection of dels, and any other international agreer and requests the Commissioner of Paten successors, assigns, and legal represen	ers unto the said n the United States of said application and to all tes of said application, and f Industrial Property, Inter- ments to which the United ats and Trademarks to issue tatives. It is understood and	
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)			
Pierre-Emmanuel Jülien M		AILLARDON	
Inventor's Signature:		6/2018	
Witnessed by:			
Name: ARMANDO AISCONTINI			

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 Attorney Docket Number DMR-2590-576 AMARÚ, Luca Gaetano First Named Inventor INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.83) 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) **BOOLEAN LOGIC OPTIMIZATION IN MAJORITY-INVERTER GRAPHS** (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 14/727,114 filed June 1, 2015, 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, ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL) (hereinafter ASSIGNEE), a corporation of the Country of Switzerland, having an office and place of business at EPFL-TTO, EPFL Innovation Park J, Lausanne, Switzerland 1015, 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 Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) **Inventor's** Signature: 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.

PATENT

18/06/ 2a4S

REEL: 036084 FRAME: 0480

Signature of witness