506184413 08/03/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6231152

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYA	ASSIGNMENT			
CONVEYING PARTY D	ATA			
		Name	Execution Date	
HENRIQUE S. OGAWA			06/11/2020	
THOMAS E. LUTHER			07/27/2020	
JEFFERSON E. RICAR	DINI		06/11/2020	
HELMITON CUNHA			06/11/2020	
HARSH KUPWADE PA	TIL		07/27/2020	
RECEIVING PARTY DA	٩ΤΑ			
Name:	LG ELE	CTRONICS, INC.		
Street Address:	20, YOI	DO-DONG		
Internal Address:	YOUNG	DUNGPO-GU		
City:	SEOUL	SEOUL		
State/Country:	KOREA	KOREA, REPUBLIC OF		
Postal Code:	150-721	150-721		
PROPERTY NUMBERS	STotal: 1	Number		
Application Number:		16932159		
•	be sent to provided i [2	<i>the e-mail address first; if that is uns</i> ; <i>if that is unsuccessful, it will be sen</i> docketing@duanemorris.com,mbatman DUANE MORRIS LLP 2475 HANOVER STREET PALO ALTO, CALIFORNIA 94304	,	
ATTORNEY DOCKET NUMBER: R3590-00032 (P34121US01)				
NAME OF SUBMITTER:		PHILIP WOO		
NAME OF SUBMITTER:				
		/Philip Woo/		
		/Philip Woo/ 08/03/2020		

source=R3590-00032 (P34121US01) Assignment#page4.tif source=R3590-00032 (P34121US01) Assignment#page5.tif	source=R3590-00032 (P34121US01) Assignment#page2.tif source=R3590-00032 (P34121US01) Assignment#page3.tif	
	source=R3590-00032 (P34121US01) Assignment#page4.tif	
1 SUUICEED 3090-00037 (E 34 F7 F030 F) ASSIONNEIN#040E0.00	source=R3590-00032 (P34121US01) Assignment#page5.tif source=R3590-00032 (P34121US01) Assignment#page6.tif	

엘지 관리번호	
(LG Reference)	
사건의 표시	US Non-Provisional
(Type of application)	Application
출원번호 (Application No.)	16/931,159
사건의 표시	U.S. Provisional
(Type of application)	Application
출원번호 (Application No.)	62/832,319





Assignment

발명(고안)의 명칭	Systems And Methods For Accelerated Certificate Provisioning		
Subject Matter			
보이으 보 반면/고아\에 대하	지전하 반면자르서 보 반면(고아)에 과하여 구내이 트허(신요시아		

본인은 본 발명(고안)에 대한 진정한 발명자로서, 본 발명(고안)에 관하여 국내외 특허(실용신안, 디자인 등록)를 받을 수 있는 권리를 포함한 모든 권리를 LG전자에게 양도합니다. 또한, 본 발명 (고안)의 등록 및 활용시에도 발명자로서의 의무를 성실히 수행할 것을 선언합니다.

I/We, as an original inventor or original joint inventor of the subject matter (the "Subject Matter") of these patent applications, design applications or provisional applications, individually assign to LG ELECTRONICS INC. and its successors, transferees, and assignees (collectively the "Assignee"), all of my/our individual and joint rights, title, and interest throughout the world in the Subject Matter.

상기 LG전자는 LG전자 및 그 승계인, 양수인을 모두 포함하며, 상기 모든 권리는 국내외 특허(실 용신안, 디자인 등록)를 받을 수 있는 권리, 가출원/분할출원/계속출원/부분계속출원을 할 권리, 조약 및 국내우선권을 포함하여 우선권을 주장할 권리, 특허(실용신안, 디자인 등록)의 과거/현재/ 미래의 침해에 대한 손해배상청구 및 금지청구를 할 권리, 발명(고안)을 실시/양도/포기할 권리를 모두 포함합니다.

This assignment includes (a) the right to file a patent application, a design application, a provisional application, a continuation application, a continuation-in-part application, a divisional application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, the Subject Matter (collectively the "Applications and Granted Rights") in every country or region or territory and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, (c) the right to pursue, collect, and retain in the Assignee's name or my/our name(s), damages and any other remedies arising, in all countries, regions, and territories of the world, from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment, and (d) the right to apply for and pursue protection for the Subject Matter, the Applications and Granted Rights assigned by this Assignment in all countries, regions, and territories of the world, in my/our name(s) or in the Assignee's name.

상기 발명자로서의 의무는 본 발명(고안)에 대해 알고 있는 모든 사실관계에 대한 정보를 제공할 의무, 모든 필요한 선서, 선언, 진술, 증언, 양도, 위임, 출원, 서류에 대해 필요한 행위(서명 포함) 를 제공할 의무, 및 본 발명(고안)에 대한 특허권(실용신안권, 디자인권)을 확보하는데에 필요한 모든 다른 법적 행위를 수행할 의무를 포함합니다.

> PATENT REEL: 053381 FRAME: 0003

:/We will communicate to the Assignee (or, at the request of the Assignee, to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	성 명 Name	[한글]	[漢宇]
		[ENG]	Henrique S. Ogawa
양도인 (발명자)	주 소 Address		Sao Paulo, BR
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date	6/11/2020	[서명/Signature] がらい

	성 명 Name	[한글]	[漢字]	990000000
		[ENG]	Thomas E. Luther	
양도인 (발명자)	주 소 Address		Sunnyvale, CA	
Assignor (Inventor)	지분률 Ownership	%		
	양도일 Assigned date		[서명/Signature]	

	성 명 Name	[한글]	[漢字]
		[ENG]	Jefferson E. Ricardini
양도인 (발명자)	주 소 Address		Embu das Artes, BR
Assignor (Inventor)	지분률 Ownership	%	
n an an Anna Anna Anna Anna Anna Anna An	양도일 Assigned date		[서명/Signature]



I/We will communicate to the Assignee (or, at the request of the Assignee, to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	성 명 Name	[한글]	[漢字]
	Name	[ENG]	Henrique S. Ogawa
양도인 (발명자)	주 소 Address		Sao Paulo, BR
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date		[서명/Signature]

	성 명 [한글] [漢字]		
	Name	[ENG]	Thomas E. Luther
양도인 (발명자)	주 소 Address		Sunnyvale, CA
Assignor (Inventor)	지분률 Ownership	%	346
	양도일 Assigned date	7/27/2020	[서명/Signature]

	성 명 Name	[한글]		
		[ENG] Jefferson E. Ricardini		
양도인 (발명자)	주 소 Address	Embu das Artes, BR		
Assignor (Inventor)	지분률 Ownership	%		
	양도일 Assigned date	, [서명/Signature]		

PATENT REEL: 053381 FRAME: 0005 I/We will communicate to the Assignee (or, at the request of the Assignee, to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	성 명 Name	[한글]	[漢字]
	namo	[ENG]	Henrique S. Ogawa
양도인 (발명자)	주 소 Address		Sao Paulo, BR
Assignor (Inventor)	지분률 Ownership		%
	양도일 Assigned date		[서명/Signature]

	성 명 Name	[한글]	[漢字]
		[ENG]	Thomas E. Luther
양도인 (발명자)	주 소 Address		Sunnyvale, CA
Assignor (Inventor)	지분률 Ownership		%
	양도일 Assigned date		[서명/Signature]

	성 명 Name	[한글]	[漢字]
		[ENG]	Jefferson E. Ricardini
양도인 (발명자)	주 소 Address		Embu das Artes, BR
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date	11-Jun-2020 Jefferron C T	(고유) [시명/Signature]

	성 명 Name	[한글]	[漢字]
	Namo	[ENG]	Helmiton Cunha
양도인 (발명자)	주 소 Address		Olinda, BR
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date	June 11, 2020	[서명/Signature]

	성 명 Name	[한글]	[漢字]
		[ENG]	Harsh Kupwade-Patil
양도인 (발명자)	주 소 Address		Fremont, CA
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date		[서명/Signature]

성 명 (Name)	LG전자 주식회사 대표이사 LG Electronics Inc.	
양수인 Assignee 주소 (Address)	주 소 (Address)	서울특별시 영등포구 여의도동 20 번지
	20, Yoido-dong, Youngdungpo-gu, Seoul, 150-721, Korea	

	성 명 Name	[한글]	[漢字]
		[ENG]	Helmiton Cunha
양도인 (발명자)	주 소 Address		Olinda, BR
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date		[서명/Signature]

	성 명 Name	[한글]	[漢字]
	Hano	[ENG]	Harsh Kupwade-Patil
양도인 (발명자)	주 소 Address		Fremont, CA
Assignor (Inventor)	지분률 Ownership	%	
	양도일 Assigned date	7-27-2020	[서명/Signature] 비

아스이	성 명 (Name)	LG전자 주식회사 대표이사 LG Electronics Inc.
양수인 Assignee 주소 (Address)	주 소 (Address)	서울특별시 영등포구 여의도동 20 번지
	20, Yoido-dong, Youngdungpo-gu, Seoul, 150-721, Korea	