PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7268178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOSTAFA GHAZALI	05/24/2021

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS (GRENOBLE 2) SAS	
Street Address:	12, RUE JULES HOROWITZ	
City:	GRENOBLE	
State/Country:	FRANCE	
Postal Code:	38000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17714081

CORRESPONDENCE DATA

Fax Number: (206)393-5401

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: (310)203-5375

jmacalagay@polsinelli.com, PatentDocketing@Polsinelli.com Email:

Correspondent Name: POLSINELLI PC Address Line 1: 1000 2ND AVE Address Line 2: **SUITE 3500**

Address Line 4: SEATTLE, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	114179-724454
NAME OF SUBMITTER:	JOHN MACALAGAY
SIGNATURE:	/John Macalagay/
DATE SIGNED:	04/07/2022

Total Attachments: 1

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PATENT REEL: 059533 FRAME: 0532 507221328

ASSIGNMENT

Application Number: U.S. Provisional Application 62/982,998; Filing Date: 02/28/20

Application Country/Region: United States of America

Application Title: PHASE LOCK LOOP (PLL) SYNCHRONIZATION

Also filed as U.S. Non-prov. App. No. 16/858,675 on 04/28/20

Assignee: STMicroelectronics (Grenoble 2) SAS: Therry BAKHON (Signature)

Assignce being a company, corporation, or juristic entity of: France Assignce's principal place of business: 12, rue Jules Horowitz, Grenoble, 38000 France (Title)

t Pate 03/02/2022 President

I, the below identified and undersigned legal representative of Mostafa Ghazali, now deceased, of residence listed below, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, hereby transfer and assign to Assignee, its legal representatives, successors, and assigns, my entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

Thereby further agree to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, I agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

I hereby grant Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world.

Legal representative of Mostafa Ghazali	Residence (City, State, Country)	Legal representative signature	Date Signed
1884. Guhz-p21	GREWEBLE, FRANCE	W.	24,0512021
Altan Guacas	Grandle, France		248 ; 516 2:

散音 的复数人名德尔 主的一种动物经验 医海马斯特克姆属

PATENT REEL: 059533 FRAME: 0533

RECORDED: 04/07/2022