

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DR. MAHA ACHOUR	02/04/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	METAWAVE CORPORATION	
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<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94304	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16249882	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
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<b>ATTORNEY DOCKET NUMBER:</b>	MW-10017.US1	
<b>NAME OF SUBMITTER:</b>	MARCIA CHANG	
<b>SIGNATURE:</b>	/Marcia Chang/	
<b>DATE SIGNED:</b>	02/07/2019	
<b>Total Attachments: 3</b>		
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## PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Metawave Corporation, a Delaware corporation, having a place of business at 3333 Coyote Hill Road, Palo Alto, California 94304, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following application ("APPLICATION"):

U.S. Application No. 16/249,882, entitled "METHOD AND APPARATUS FOR A METASTRUCTURE SWITCHED ANTENNA IN A WIRELESS DEVICE" and filed on January 16, 2019, which claims priority from U.S. Provisional Application No. 62/618,045, filed on January 16, 2018.

2. The entire worldwide right, title, and interest in and to:  
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR(S) hereby covenant and agree to cooperate with said ASSIGNEE to enable said ASSIGNEE to enjoy to the fullest extent the right title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said INVENTOR(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of powers of attorney, petitions, oaths, assignments, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said ASSIGNEE (a) for perfecting in said ASSIGNEE the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any application, therefor and any Patents(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said INVENTOR(s) in providing such cooperation shall be paid for by said ASSIGNEE.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.



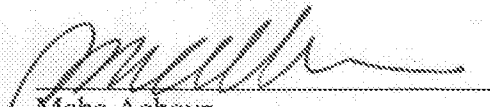
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INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable, such as the APPLICATION number and filing date, when known, in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

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# PATENT ASSIGNMENT

  
Maha Achour  
INVENTOR/ASSIGNOR

02/04/2019  
Date

## ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

On February 4, 2019 before me, Ayumi K. Alidio, Notary Public,  
(insert name and title of the officer)

personally appeared Maha Achour, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Ayumi K Alidio (Seal)

