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PATENT ASSIGNMENT COVER SHEET

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|---------------------|-----|----------------|----------------|
| NATURE OF CONVEYANC | CE: | ASSIGNMENT | |
| CONVEYING PARTY DAT | ГА | | |
| | | Name | Execution Date |
| AMIR JAFARGHOLI | | | 05/09/2021 |
| ALI JAFARGHOLI | | | 05/05/2021 |
| MEHDI VEYSI | | | 05/06/2021 |
| JUN H. CHOI | | | 05/06/2021 |

| Name: | AMIR JAFARGHOLI |
|-----------------|--|
| Street Address: | 424 HAFEZ AVE., AMIRKABIR UNIVERSITY OF TECHNOLOGY |
| City: | TEHRAN |
| State/Country: | IRAN, ISLAMIC REPUBLIC OF |
| Name: | AMIRKABIR UNIVERSITY OF TECHNOLOGY |
| Street Address: | 424 HAFEZ AVE., AMIRKABIR UNIVERSITY OF TECHNOLOGY |
| City: | TEHRAN |
| State/Country: | IRAN, ISLAMIC REPUBLIC OF |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16236592 |

CORRESPONDENCE DATA

Fax Number:

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.

| torkzaban.da@gmail.com |
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| HODA TORKZABAN |
| PARDIS BUILDING, BEHBOUDI ST., SATARKHAN ST. |
| TEHRAN, IRAN, ISLAMIC REPUBLIC OF |
| |

| ATTORNEY DOCKET NUMBER: | 0030-0084-01000-5059 | |
|-------------------------|----------------------|--|
| NAME OF SUBMITTER: | HODA TORKZABAN | |
| SIGNATURE: | /HODA TORKZABAN/ | |
| DATE SIGNED: | 05/11/2021 | |
| Total Attachments: 2 | | |

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ASSIGNMENT

WHEREAS We, Amir Jafargholi, Ali Jafargholi, Mehdi Veysi, Jun H. Choi, 424 Hafez Ave., Amirkabir University of Technology, Tehran, Iran, 424 Hafez Ave., Amirkabir University of Technology, Tehran, Iran, University of California at Irvine, University at Buffalo, The State University of New York, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, Serial No 16/236,592, entitled REDUCING MUTUAL COUPLING AND BACK-LOBE RADIATION OF A MICROSTRIP ANTENNA, filed on December 30, 2018, and as set forth in U.S. Provisional Application No. 62/612,448, filed on December 31, 2017;

AND WHEREAS, Amir Jafargholi, individual residing in and subject to the laws of the country of IRAN, and having addresses of 424 Hafez Ave., Amirkabir University of Technology, Tehran, Iran, respectively (hereinafter the "Assignees"), and Amirkabir University of Technology, a Corporation of the State of Iran and having an address of 424 Hafez Ave., Amirkabir University of Technology, Tehran, Iran, are desirous of acquiring the entire right, title and interest in and to said subject invention, and inventions, improvements and application and in and to the Letters Patent to be obtained therefor in particular percentages, namely Amir Jafargholi is to own 50% of the subject invention and Amirkabir University of Technology is to own 50% of the subject invention;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Amir Jafargholi, Amirkabir University of Technology (Assignees), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned applications, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, post-grant reviews, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignees that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignees may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-inpart, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND We hereby grant Assignee, its legal representatives, successors and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND We hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

PATENT REEL: 056193 FRAME: 0904 AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

| 9 May 2021 | Li Jofghli |
|------------|-----------------|
| Date | Amir Jafargholi |
| 5 May 2021 | Amir Jafargholi |
| Date | Ali Jafargholi |
| 6 May 2021 | Veysi |
| Date | Mehdi Veysi |
| 6 May 2021 | J. H. Choi |
| Date | Jun H. Choi |