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PATENT ASSIGNMENT COVER SHEET

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17557345

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Total Attachments: 2

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> **PATENT** REEL: 059255 FRAME: 0507

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ASSIGNMENT AND AGREEMENT

MAI, all citizens of Germany with a mailing address of c/o IHP GmbH - Innovations for High Performance Microelectronics / Leibniz-Institut für innovative Mikroelektronik, Im Technologiepark 25, 15236 Frankfurt (Oder) Germany, hereby sell, assign and transfer to IHP GMBH - INNOVATIONS FOR HIGH PERFORMANCE MICROELECTRONICS / LEIBNIZ-INSTITUT FÜR INNOVATIVE MIKROELEKTRONIK, an organization duly organized and existing under the laws of Germany and having a principal place of business at Im Technologiepark 25, 15236 Frankfurt (Oder), Germany as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in an SLOT WAVEGUIDE FOR A PHASE SHIFTER BASED ON FERROELECTRIC MATERIALS, which is described in an application for Letters Patent of the United States filed on December 21, 2021, now bearing U.S. Patent Application No. 17/557,345; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions in all countries be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any

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convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Transfer Odes (city/state/country) this (day)

day of (month)

Andreas MAI

Signed at From (City/state/country) this 3 (day)

day of (morith) , 2022.

Christian MAI