

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6221439

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| <b>SUBMISSION TYPE:</b>      | RESUBMISSION |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT   |
| <b>RESUBMIT DOCUMENT ID:</b> | 506072793    |

## CONVEYING PARTY DATA

| Name               | Execution Date |
|--------------------|----------------|
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**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 16645182 |

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|                                |                      |
|--------------------------------|----------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | E107.0001US1         |
| <b>NAME OF SUBMITTER:</b>      | JUDSON K. CHAMPLIN   |
| <b>SIGNATURE:</b>              | /Judson K. Champlin/ |
| <b>DATE SIGNED:</b>            | 07/28/2020           |

**Total Attachments: 5**

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**ASSIGNMENT-DECLARATION**  
**FOR PRIORITY APPLICATION ENTERING UNITED STATES**

Attorney Docket No.

**E107.0001US1**

**SPECIFICATION AND INVENTORSHIP IDENTIFICATION**

This assignment-declaration is directed to the subject matter which is claimed in the application entitled MATERIAL-OPTIMIZED CONNECTION NODE, the specification of which having the above title and/or attorney docket number.

  X   is attached hereto, or as previously filed with the USPTO,  
\_\_\_\_\_ based on U.S. Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_;  
\_\_\_\_\_ was filed on \_\_\_\_\_ as Appin. No. \_\_\_\_\_, March 6, 2020 ; 16/645,182  
\_\_\_\_\_ was amended on \_\_\_\_\_, and/or  
  X   was described and claimed in PCT International Application No. PCT/EP2018/074318 filed on 10  
September 2018 and as amended with any Preliminary Amendment filed with National Stage entry.

**A. ASSIGNMENT**

WHEREAS, EDAG Engineering GmbH, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung E.V., Constellium Singen GmbH, Concept Laser GmbH and BLM S.p.A. (hereinafter referred to as Assignees), corporations organized and existing under the laws of Germany and Italy, respectively, and having offices at Kreuzberger Ring 40, Wiesbaden 65205, GERMANY, Hansastraße 27c, München 80686, GERMANY, Alusingen-Platz 1, Singen 78224, GERMANY, An der Zell 8, Lichtenfels 96215, GERMANY and Via Selvaregina 30, Canth 22063, ITALY, respectively, are desirous of acquiring the entire right, title and interest in and to the above-identified invention(s), the application(s) and any and all Letters Patent(s) or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignees, their successors and assigns, our entire right, title and interest in and to the invention(s), the above-identified application(s), any provisional to which the benefit is claimed, all inventions and improvements which are disclosed in the patent applications, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent(s) which have been or shall be filed in the United States on any of said inventions and/or improvements, all rights of priority resulting from the filing of the above-identified patent application(s), and all Letters Patent or similar legal protection issuing thereon; and we authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignees.

We authorize the Assignees, their successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

We authorize the Assignees, their successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all countries.

We represent to the Assignees, their successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignees, their successors and assigns, execute such additional writings and do such additional acts as the Assignees, their successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

**ASSIGNMENT-DECLARATION**  
**FOR PRIORITY APPLICATION ENTERING UNITED STATES**

Attorney Docket No.

E107.0001US1

**B. DECLARATION**

**AUTHORIZATION TO PERMIT ACCESS TO APPLICATION BY PARTICIPATING OFFICE**

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

**STATEMENTS**

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

If the above-identified application is to be or was filed on or after September 16, 2012:

I declare that the above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

If the above-identified application was filed before September 16, 2012:

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed, and for which a patent is sought, on the subject matter which is claimed in the above-identified application.

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**DESIGNATION OF CORRESPONDENCE ADDRESS**

Please address all correspondence and telephone calls to Judson K. Champlin in care of:

**ASSIGNMENT-DECLARATION**  
**FOR PRIORITY APPLICATION ENTERING UNITED STATES**

Attorney Docket No.

E197.9001US1

Customer Number  
27367

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Date : 10.05.2020

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# ASSIGNMENT-DECLARATION

FOR PRIORITY APPLICATION ENTERING UNITED STATES

Attorney Docket No.

E107,0001151

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**ASSIGNMENT-DECLARATION**  
**FOR PRIORITY APPLICATION ENTERING UNITED STATES**

Attorney Docket No.

E107.0001US1

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