

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7218347

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CONFIRMATORY ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SERGII POLTARETSKYI	04/29/2019
JEAN CHAOUI	04/29/2019
DAMIEN CARIOU	04/29/2019
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City:	PLOUZANÉ
State/Country:	FRANCE
Postal Code:	29280
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17117779
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ATTORNEY DOCKET NUMBER:	1262-025US02/SHO-18-01
NAME OF SUBMITTER:	SHIRLEY A. BETLACH
SIGNATURE:	/Shirley A. Betlach/
DATE SIGNED:	03/10/2022
Total Attachments: 5	
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CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment is made by and between:

Sergii Poltaretskyi, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Plougonvelin, France,

Jean Chaoui, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Locmaria Plouzané, France,

Damien Cariou, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Loperhet, France,

Yannick Morvan, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Saint Renan, France,

Vincent Abel Maurice Simoes, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Locmaria Plouzané, France,

Manuel Jean-Marie Urvoy, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Brest, France,

Florence Delphine Muriel Maillé, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Locmaria Plouzané, France,
and

Marie-Charlotte Desseroit, a citizen of France, having a mailing address at 65 Place Nicolas Copernic, 29280 Plouzané, France, and a resident of Brest, France (the "Inventors")

AND

IMASCAP SAS, a French corporation, having a place of business at 65 Place Nicolas Copernic, 29280 Plouzané, France (the "Assignee").

WHEREAS, **Sergii Poltaretskyi**, **Jean Chaoui**, **Damien Cariou**, **Yannick Morvan**, **Vincent Abel Maurice Simoes**, **Manuel Jean-Marie Urvoy**, **Florence Delphine Muriel Maillé**, and **Marie-Charlotte Desseroit**, as employees of **IMASCAP SAS**, have made inventions in the course of their invention mission for which the following U.S. provisional applications have been filed:

1262-002USP3

U.S. provisional application no. 62/778,774, filed December 12, 2018, entitled MIXED-REALITY ENHANCED SURGICAL PLANNING SYSTEM (Attorney Docket No. 1262-002USP3),

U.S. provisional application no. 62/778,789, filed December 12, 2018, entitled AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES (1262-003USP1),

U.S. provisional application no. 62/778,764, filed December 12, 2018, entitled VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY (1262-007USP1),

U.S. provisional application no. 62/778,797, filed December 12, 2018, entitled VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES (1262-008USP1),

U.S. provisional application no. 62/778,778, filed December 12, 2018, entitled MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY (1262-009USP1),

U.S. provisional application no. 62/778,788, filed December 12, 2018, entitled EXTENDED REALITY VISUALIZATION OF RANGE OF MOTION (1262-011USP1),

U.S. provisional application no. 62/778,760, filed December 12, 2018, entitled DEEP NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION (1262-012USP1),

U.S. provisional application no. 62/778,772, filed December 12, 2018, entitled DEEP NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE (1262-013USP1),

U.S. provisional application no. 62/778,796, filed December 12, 2018, entitled CLOSED-LOOP TOOL CONTROL FOR ORTHOPEDIC SURGICAL PROCEDURES (1262-016USP1),

U.S. provisional application no. 62/778,782, filed December 12, 2018, entitled MIXED REALITY-AIDED DEPTH TRACKING IN ORTHOPEDIC SURGICAL PROCEDURES (1262-020USP1),

U.S. provisional application no. 62/778,791, filed December 12, 2018, entitled VISUALIZATION OF INTRAOPERATIVELY MODIFIED SURGICAL PLANS (1262-035USP1),

U.S. provisional application no. 62/804,392, filed February 12, 2019, entitled MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES

1262-002USP3

(1262-010USP1),

U.S. provisional application no. 62/804,402, filed February 12, 2019, entitled MIXED-
REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF
VIRTUAL MODELS (1262-025USP1), and

U.S. provisional application no. 62/804,383, filed February 12, 2019, entitled
COMPUTING TECHNIQUES FOR PLANNING, GUIDANCE, ANALYSIS, MONITORING,
REPORTING AND/OR EDUCATION FOR ORTHOPEDIC SURGICAL PROCEDURES
(1262-041USP1).

WHEREAS, by effect of Article L.611-7 of the French IP Code, the rights to these inventions
made during the effective inventive mission of the Inventors belong to the Assignee, their
employer.

WHEREAS, the Inventors and the Assignee desire to confirm the transfer to the Assignee of the
entire right, title and interest throughout the world in and to the inventions, including the entire
right, title and interest in and to all U.S. and foreign applications filed for the inventions, and in
and to all U.S. or foreign patents granted for the inventions.

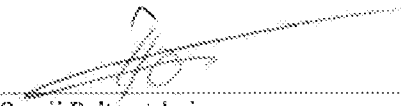
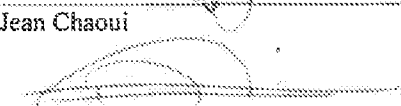
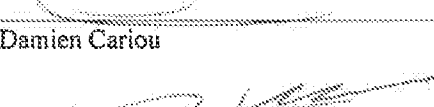
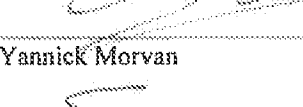
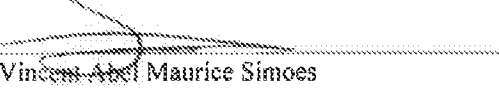
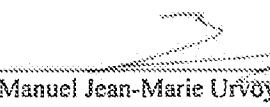
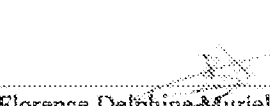
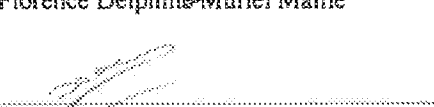
NOW, THEREFORE, due to their effective inventive mission as employees of the Assignee and
by effect of French law, the Inventors have sold, assigned, conveyed and transferred and hereby
do sell, assign, convey and transfer to Assignee, and its successors, legal representatives, and
assigns, the entire right, title and interest throughout the world in and to the inventions, including
the entire right, title and interest in and to all applications that have been filed or may be filed for
the inventions in the U.S. or in any foreign country, countries or organizations, including the
above-identified U.S. provisional applications and all U.S. or foreign applications claiming
benefit or priority to the above-identified U.S. provisional applications, and including any other
provisional applications, non-provisional applications, continuation applications, continuation-
in-part applications, divisional applications, reissue applications, reexamination applications,
renewal applications, extension applications, or design applications for any of the inventions, in
and to all U.S. patents, foreign patents, utility models, design registrations, inventor's certificates
and other like rights of exclusion granted for the inventions, including all patents granted on any

of the foregoing applications in the U.S. or any foreign country, countries, or organizations, and further including all rights of priority in the inventions and the foregoing applications under international conventions, treaties, laws or agreements, including the right to file any of the foregoing applications and the right to claim priority based on any of the foregoing applications under the International Convention for the Protection of Industrial Property, or any other conventions, treaties, laws or agreements of like purposes, to be held and enjoyed by Assignee and its successors, legal representatives, and assigns, for its own use and benefit and use and benefit of its successors, legal representatives, and assigns, to the full end of the term for which any of the U.S. patents, foreign patents, utility models, design registrations, inventor's certificates or other rights of exclusion are granted.

AND, the Inventors do hereby authorize and request the Commissioner of Patents of the U.S., and any official of any country, countries or organizations foreign to the U.S., having an applicable duty, to issue all patents, utility models, design registrations, inventor's certificates and other like rights of exclusion granted for the inventions to the Assignee, its successors, legal representatives, and assigns as the assignee of the entire, right, title and interest therein.

AND, the Inventors do hereby authorize the Assignee to apply in all countries in their names or in its own name for U.S. patents, foreign patents, utility models, design registrations, inventor's certificates and like rights of exclusion for the inventions, and the Inventors agree for themselves and their respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

AND the Inventors and Assignee desire that this Confirmatory Assignment be governed by French law.

Date: <u>29/04/2019</u>	 Sergii Poltaretskyi
Date: <u>29/04/2019</u>	 Jean Chaoui
Date: <u>29/04/2019</u>	 Damien Cariou
Date: <u>26 April 2019</u>	 Yannick Morvan
Date: <u>24/04/2019</u>	 Vincent Abel Maurice Simoes
Date: <u>24/04/2019</u>	 Manuel Jean-Marie Urvoy
Date: <u>24/04/2019</u>	 Florence Delphine-Muriel Maillé
Date: <u>26/04/2019</u>	 Marie-Charlotte Desseroit
Date: <u>May 7, 2019</u>	 On behalf of IMASCAP SAS James A. Lightman Managing Director