505903194 02/06/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER GRABNER	06/14/2019
PETER MICHAEL ROTH	06/11/2019
VINCENT LEPETIT	07/02/2019

RECEIVING PARTY DATA

Name:	TECHNISCHE UNIVERSITAT GRAZ	
Street Address:	RECHBAUERSTRASSE 12	
City:	GRAZ	
State/Country:	AUSTRIA	
Postal Code:	8010	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16655174		

CORRESPONDENCE DATA

Fax Number: (650)461-7701

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POLSINELLI LLP **Correspondent Name:**

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Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	192799 (629001)
NAME OF SUBMITTER:	MICHAEL KNIGHT
SIGNATURE:	/Michael Knight/
DATE SIGNED:	02/06/2020

Total Attachments: 4

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PATENT REEL: 051740 FRAME: 0718 505903194

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PATENT REEL: 051740 FRAME: 0719

ASSIGNMENT

WHEREAS, WE,

- 1. Alexander Grabner, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria.
- 2. Peter Michael Roth, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria, and
- 3. Vincent Lepetit, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria.

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to Invention Reference No. E_873_05_19, IDF Reference No. 192799IDF: "LOCATION FIELD DESCRIPTORS: SINGLE IMAGE 3D MODEL RETRIEVAL IN THE WILD" (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Technische Universität Graz (hereinafter "ASSIGNEE"), an institution organized under the laws of Austria and having a business address at Rechbauerstrasse 12, 8010 Graz, Austria, desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States and under the Patent Cooperation Treaty (PCT), and all provisional applications relating thereto, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition

applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at	Menlo Paula	, on <u>Ja</u>	ne 14. 2019	- Amh	
Done at	LOCATION	on	DATE	/ Alexander Grabner	
Done at	LOCATION	9	DATE	Peter Michael Roth	-
Done at		, on			_
	LOCATION		DATE	Vincent Lepetit	

ASSIGNMENT

WHEREAS, WE,

- 1. Alexander Grabner, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria.
- 2. Peter Michael Roth, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria, and
- 3. Vincent Lepetit, having a mailing address located at Rechbauerstrasse 12, 8010 Graz, Austria.

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to Invention Reference No. E 873_05_19, IDF Reference No. 192799IDF: "LOCATION FIELD DESCRIPTORS: SINGLE IMAGE 3D MODEL RETRIEVAL IN THE WILD" (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Technische Universität Graz (hereinafter "ASSIGNEE"), an institution organized under the laws of Austria and having a business address at Rechbauerstrasse 12, 8010 Graz, Austria, desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States and under the Patent Cooperation Treaty (PCT), and all provisional applications relating thereto, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition

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applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof:

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at		, on		<u></u>
	LOCATION		DATE	Alexander Grabner
Done at _	6812	, on	11.062015	
	LOCATION		DATE	Peter Michael Roth
Done at	GRA2	on_	2-107.WS	
·	LOCATION		DATE	Vincent/Lepetit

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