505388369 03/22/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GABRIELE BRÜCKNER	05/17/2018
THOMAS FRÖHLICH	05/17/2018
THOMAS NENTWIG	05/28/2018
JASMINKO SKRLEC	05/18/2018
STEFAN LINDNER	05/17/2018

RECEIVING PARTY DATA

Name:	OUTOKUMPU OYJ
Street Address:	SALMISAARENRANTA 11
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State/Country:	FINLAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15769917

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	7114-1803332
NAME OF SUBMITTER:	RUSSELL D. ORKIN
SIGNATURE:	/Russell D. Orkin/
DATE SIGNED:	03/21/2019

Total Attachments: 4

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PATENT 505388369 REEL: 048667 FRAME: 0753

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PATENT REEL: 048667 FRAME: 0754

INI	ERNATIONAL
Application No.	
Attorney Docke	t No

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

COMPONENT MADE OF METALLIC COMPOSITE MATERIAL AND METHOD FOR THE MANUFACTURE OF THE COMPONENT BY HOT FORMING

	(Invention Title)
	for which I have this day executed an application for a United States Patent (hereinafter "said application").
ANI	D/OR
	for which an application for a United States Patent was filed on(mm/dd/yyyy) and bears Application Number (hereinafter "said application").
ANI	D/OR
X	for which an international patent application was filed under the Patent Cooperation Treaty on10/31/2016(mm/dd/yyyy), bearing Application NoPCT/EP2016/076220 (hereinafter "said application").

AND, WHEREAS, Outokumpu Oyj, a corporation of Helsinki, Finland, having a place of business at Salmisaarenranta 11, 00180 Helsinki, Finland, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

Page 1 of 4

20152262 US

INTERNATIONAL
Application No.
Attorney Docket No

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: Gabriele BRÜCKNER	RESIDENCE: Ginsterweg 17, 40597 Düsseldorf, Germany
EXECUTED this 17 day of 10	Z_,2018 =
WITNESS:	Signature
2. FULL NAME OF ASSIGNOR: Thomas FRÖHLICH	RESIDENCE: Schützenstrasse 36, 40878 Ratingen,
EXECUTED this day of	Germany , 2018
WITNESS:	SIGNATURE

Page 2 of 4

20152262 US

	Application No.
	Attorney Docket No.
3. FULL NAME OF ASSIGNOR: Thomas NENTWIG	RESIDENCE: Hildener strasse 80, 40597 Düsseldort Germany
EXECUTED this 28 day of May	2018
WITNESS:	Signature
4. FULL NAME OF ASSIGNOR:	
4. FULL NAME OF ASSIGNOR:	RESIDENCE:
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Jasminko SKRLEC	Germany
Jasminko SKRLEC EXECUTED this <u>A8</u> day of <u>Hay</u>	Germany
Jasminko SKRLEC EXECUTED this	Germany , 2018
EXECUTED this A & day of Hag VITNESS: 5. FULL NAME OF ASSIGNOR:	Germany
Jasminko SKRLEC EXECUTED this	RESIDENCE: Mittelstrasse 120, 47877 Willich,

Page 3 of 4

20152262 US

INTERNATIONAL

	INTERNAT Application No.	IONAL
	Attorney Docket No.	
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Page 4 of 4

20152262 US

PATENT REEL: 048667 FRAME: 0758