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PCT/EP 2018 / 0 0 0 0 5 3

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only	
PCT/EP 2018/000053	
International Application No.	
09. FEB. 2018	( 09.02.18 )
International Filing Date 09.02.2018	
RO/EP	
Name of receiving Office and "PCT International Application"	
Applicant's or agent's file reference (if desired) (12 characters maximum) PR 1705.0 WO	

<b>Box No. I</b>	<b>TITLE OF INVENTION</b>	
	Insitu metal matrix nanocomposite synthesis by additive manufacturing route	
<b>Box No. II</b>	<b>APPLICANT</b>	
	<input type="checkbox"/> This person is also inventor	
	Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Oerlikon Surface Solutions AG, Pfäffikon Churerstrasse 120 8808 Pfäffikon, SZ Schweiz	
	Telephone No.	+423 388 4423
	Facsimile No.	
	Applicant's registration No. with the Office	
<b>E-mail authorization:</b> Marking one of the check-boxes below authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, notifications issued in respect of this international application to that e-mail address if those offices are willing to do so.		
<input checked="" type="checkbox"/> as advance copies followed by paper notifications; or <input type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).		
E-mail address: birgit.seemann@oerlikon.com		
State (that is, country) of nationality:		State (that is, country) of residence:
Schweiz		Schweiz
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box		
<b>Box No. III</b>	<b>FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>	
	<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
<b>Box No. IV</b>	<b>AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE</b>	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input type="checkbox"/> agent <input type="checkbox"/> common representative		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		
	Telephone No.	
	Facsimile No.	
	Agent's registration No. with the Office	
<b>E-mail authorization:</b> Marking one of the check-boxes below authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, notifications issued in respect of this international application to that e-mail address if those offices are willing to do so.		
<input type="checkbox"/> as advance copies followed by paper notifications; or <input type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).		
E-mail address:		
<input type="checkbox"/> <b>Address for correspondence:</b> Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.		

<b>Box No. V DESIGNATIONS</b>				
<p>The filing of this request <b>constitutes under Rule 4.9(a) the designation</b> of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</p> <p>However,</p> <p><input type="checkbox"/> DE Germany is <b>not designated</b> for any kind of national protection</p> <p><input type="checkbox"/> JP Japan is <b>not designated</b> for any kind of national protection</p> <p><input type="checkbox"/> KR Republic of Korea is <b>not designated</b> for any kind of national protection</p> <p><i>(The check-boxes above may only be used to exclude (irrevocably) the designations concerned if, at the time of filing or subsequently under Rule 26bis.1, the international application contains in Box No. VI a priority claim to an earlier national application filed in the particular State concerned, in order to avoid the ceasing of the effect, under the national law, of this earlier national application.)</i></p>				
<b>Box No. VI PRIORITY CLAIM AND DOCUMENT</b>				
<b>The priority of the following earlier application(s) is hereby claimed:</b>				
Filing date of earlier application <i>(day/month/year)</i>	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application: regional Office	international application: receiving Office
item (1)  13/02/2017  *13 February 2017	EP/17000219.0  **EP17000219		European Patent Organisation  *EP	
item (2)				
item (3)				
<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.				
<b>Furnishing the priority document(s):</b>				
<p><input checked="" type="checkbox"/> The <b>receiving Office</b> is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) <i>(only if the earlier application(s) was filed with the receiving Office which, for the purposes of this international application, is the receiving Office)</i> identified above as:</p> <p style="padding-left: 20px;"><input checked="" type="checkbox"/> all items    <input type="checkbox"/> item (1)    <input type="checkbox"/> item (2)    <input type="checkbox"/> item (3)    <input type="checkbox"/> other, see Supplemental Box</p> <p><input type="checkbox"/> The <b>International Bureau</b> is requested to obtain from a digital library a certified copy of the earlier application(s) identified above, using, where applicable, the access code(s) indicated below <i>(if the earlier application(s) is available to it from a digital library)</i>:</p> <p style="padding-left: 20px;"><input type="checkbox"/> item (1)    <input type="checkbox"/> item (2)    <input type="checkbox"/> item (3)    <input type="checkbox"/> other, see Supplemental Box</p> <p style="padding-left: 20px;">access code _____ access code _____ access code _____</p>				
<p><b>Restore the right of priority:</b> the receiving Office is requested to restore the right of priority for the earlier application(s) identified above or in the Supplemental Box as item(s) (_____). <i>(See also the Notes to Box No. VI; further information must be provided to support a request to restore the right of priority.)</i></p>				
<p><b>Incorporation by reference:</b> where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.</p>				
<b>Box No. VII INTERNATIONAL SEARCHING AUTHORITY</b>				
<p><b>Choice of International Searching Authority (ISA)</b> <i>(if more than one International Searching Authority is competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):</i></p> <p>ISA/ <u>EP</u></p>				

\*/\*\*  
RO/EP

**Box No. VIII (i) DECLARATION: IDENTITY OF THE INVENTOR**

*The declaration must conform to the standardized wording provided for in Section 211; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (i). If this Box is not used, this sheet should not be included in the request.*

Declaration as to the identity of the inventor (Rules 4.17(i) and 51 bis.1(a)(i)):

**In relation to this international application,**

**Siva Phani Kumar YALAMANCHILI of Zürcherstrasse 9, 7320 Sargans is the inventor of the subject matter for which protection is sought by way of this international application**

This declaration is continued on the following sheet, "Continuation of Box No. VIII (i)".

**Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT**

*The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.*

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51 bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

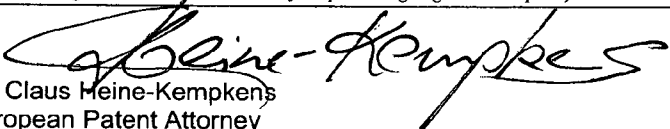
**In relation to this application Oerlikon Surface Solutions AG, Pfäffikon is entitled as employer of the inventor Siva Phani Kumar YALAMANCHILI**

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Box No. IX CHECK LIST for PAPER filings – this sheet is only to be used when filing an international application on PAPER			
This international application contains the following:	Number of sheets	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
(a) request form PCT/RO/101 (including any declarations and supplemental sheets) .....	5	1. <input type="checkbox"/> fee calculation sheet .....	:
(b) description (excluding any sequence listing part of the description, see (f), below) .....	3	2. <input type="checkbox"/> original separate power of attorney .....	:
(c) claims .....	1	3. <input type="checkbox"/> original general power of attorney .....	:
(d) abstract .....	1	4. <input type="checkbox"/> copy of general power of attorney; reference number: .....	:
(e) drawings (if any) .....	3	5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s) .....	:
(f) sequence listing part of the description (if any) .....		6. <input type="checkbox"/> Translation of international application into (language): .....	:
<b>Total number of sheets</b> :	<b>13</b>	7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material .....	:
		8. <input type="checkbox"/> (only where item (f) is marked in the left column) copy in electronic form (Annex C/ST.25 text file) on physical data carrier(s) of the sequence listing, not forming part of the international application, which is furnished only for the purposes of international search under Rule 13ter (type and number of physical data carriers) .....	:
		9. <input type="checkbox"/> (only where item (f) (in the left column) and item 8 (above) are marked) a statement confirming that "the information recorded in electronic form submitted under Rule 13ter is identical to the sequence listing as contained in the international application" as filed on paper .....	:
		10. <input type="checkbox"/> copy of results of earlier search(es) (Rule 12bis.1(a)) ..	:
		11. <input type="checkbox"/> other (specify): .....	:

Figure of the drawings which should accompany the abstract:	2b	Language of filing of the international application:
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**Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**  
*Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).*

  
 Dr. Claus Meine-Kempkens  
 European Patent Attorney  
 (Head of Patent Department Oerlikon Surface Solutions AG, Pfäffikon)

For receiving Office use only	
1. Date of actual receipt of the purported international application:	09. FEB. 2018 ( 09. 02. 18 )
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid

2. Drawings:

received:

not received:

For International Bureau use only

Date of receipt of the record copy by the International Bureau: