11-27-2001 Docket No.: TAV-1984 FORM PTO-1595 (Modified) EET U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OM3 No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08/REV03 101901722 Tab settings → → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Betsy J. Bond Laurence A. Jackman Name: ATI Properties, Inc. A. Stewart Ballantyne 11-19-01 Internal Address: Additional names(s) of conveying party(ies) ີ່ Yes ⊠ No 3. Nature of conveyance: ☑ Assignment Street Address: 1025 West 190th Street, Suite 425 Merger Security Agreement Change of Name City: Gardena □ Other State: CA ZIP: 90248 Execution Date: June 11, 2001 and August 13, 2001 Additional name(s) & address(es) attached?

Yes

No Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 09/802,061 Additional numbers attached? ☐ Yes ✓ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Patrick J. Viccaro 7. Total fee (37 CFR 3.41):.....\$ 40.00 Internal Address: Allegheny Technologies Incorporated Enclosed - Any excess or insufficiency should be credited or debited to deposit account 1/27/2001 ANNED1 90000022 010840 1 FC:581 40.00 CH Authorized to be charged to deposit account 8. Deposit account number: Street Address: 1000 Six PPG Place 01-0840 (Attach duplicate copy of this page if paying by deposit account) City: Pittsburgh State: PA ZIP: 15222 DO NOT USE THIS SPACE

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick J. Viccaro

Statement and signature.

-Signature Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

Date

November 19, 2001

Docket No.: TAV-1984 FORM PTO-1595 (Modified) AUG 1 4 2007 U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 3651,0011 (exp.4/94) Patent and Trademark Office Copyright 1994-97 LegalStar P08/REV02 Tab settings -To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Betsy J. Bond Laurence A. Jackman Name: ATI Properties, Inc. A. Stewart Ballantyne Internal Address: Additional names(s) of conveying party(ies) ☐ Yes ☒ No 3. Nature of conveyance: Street Address: 1025 West 190th Street, Suite 425 ☐ Merger ☑ Assignment ☐ Security Agreement ☐ Change of Name City: Gardena State: CA ZIP: 90248 Other Execution Date: ___ 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 09/802,061 Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Patrick J. Viccaro 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Allegheny Technologies Incorporated Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Street Address: 1000 Six PPG Place 8. Deposit account number: 08/28/2001 AAHMED1 00000061 010840 01-0840 40.00 CH 01 FC:581 City: Pittsburgh State: PA ZIP: 15222 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Total number of pages including cover sheet, attachments, and document:

Patrick J. Viccaro

Name of Person Signing

REEL: 012315 FRAME: 0193

August 14, 2001

Date

Attorney's Docket No. <u>010124</u>	PATENT	
	For: U.S. and/or Foreign For: U.S. Application or U.S. Provisional Applica For: U.S. Patent For: PCT Application	
	By: Multiple Inventors	
ASSIGNMENT O	OF INVENTION (MULTIPLE INVENTOR:	S)
In consideration of the payment by A eceipt of which is hereby acknowledged	SSIGNEE to ASSIGNOR of the sum of 0, and for other good and valuable consid	One Dollar (\$1.00), the eration,
ASSIGNORS (Inventors):		
Betsy J. Bond	900 Houston Drive Monroe, NC 28110	USA
	Address	Nationality
type or print name of inventors)		
type or print name of inventors) .aurence A. Jackman	Address 730 Heatherwood Dr. Monroe, NC 28112	Nationality USA
Laurence A. Jackman A. Stewart Ballantyne	730 Heatherwood Dr. Monroe, NC 28112 Address 3208 Mattia Court Charlotte, NC 28270	Nationality USA Nationality USA

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 of 3)

PI-704684 v1 0215785-0117

PATENT REEL: 012315 FRAME: 0194

ASSIGNEE:					
ATI Properties, I	Inc. 1025 West 190 th Street, Suite 425 of ASSIGNEE) Address				
(type or print name of	of ASSIGNEE) Address				
(a Delaware corp Nationality	poration) Gardena, CA 90248				
and the successors, assigns and legal representatives of the ASSIGNEE					
(complete one of the following)					
⊠ the	entire right, title and interest				
an uand its territorial	undivided percent (%) interest for the United States possessions				
	(check the following box, if foreign rights are also to be assigned)				
and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: METHOD FOR PRODUCING LARGE DIAMETER INGOTS OF NICKEL BASE ALLOYS					
(check and complete (a), (b), (c), (d), (e), (f) or (g))					
and which is fou	ınd in				
(a) 🗌 U.S	patent application executed on even date herewith				
(b) 🗌 U.S	patent application executed on				
(c) 🗌 U.S	. provisional application naming the above inventor(s) for the above-entitled invention				
	Express mail label no.:				
	Mailed:				
here	comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, eby authorize and request my attorney to insert below the filing date and application other when they become known.				
(d) 🛛 U.S	s. application no.: <u>09/802,061</u> filed on <u>March 8, 2001</u>				
(e) 🗌 Inte	ernational application no. PCT //				
(f) 🗌 U.S	s. patent noissued				
	A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.				
	(also check (g), if foreign application(s) is also being assigned)				
and con	d any legal equivalent thereof in a foreign country, including the right to claim priority and, in it to, all Letters Patent to be obtained for said invention by the above application or any attinuation, division, renewal, or substitute thereof, and as to letters patent any reissue or remaintaion thereof.				

PI - 590251.1

hereby sells, assigns and transfers to

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF. We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above

WARNING. The date of signing must be the same as the date of exceduon of the application, in term (a) had sheared above.				
Betsy J.	Bond me of Inventor)	Busy Bond Signature of INVENTOR	6/11/01 Date	
	e A. Jackman	Signature of INVENTORS	8//3/0/ Date	
A. Stev	vart Ballantyne	Signature of INVENTOR	6/11/01 Date	
<u> </u>		Signature of INVENTOR	Date	
		Signature of INVENTOR	Date	
	☐ Notarization or Le	egalization Page Added.		
NOTE:	No witnessing, notarization or legalization is necessary	f. If the assignment is notarized or legalized, the next page if notarization is desired.	n it will only be	

PATENT REEL: 012315 FRAME: 0196

RECORDED: 08/14/2001