

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5464854

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	CASTRIP, LLC	02/06/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NUCOR CORPORATION	
<b>Street Address:</b>	1915 REXFORD ROAD	
<b>City:</b>	CHARLOTTE	
<b>State/Country:</b>	NORTH CAROLINA	
<b>Postal Code:</b>	28211	
<b>PROPERTY NUMBERS Total: 4</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	62562056	
<b>Application Number:</b>	62654304	
<b>Application Number:</b>	16138316	
<b>PCT Number:</b>	US2018052210	
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	213532.264/274/285/291	
<b>NAME OF SUBMITTER:</b>	JOEL S. SONNENBERG	
<b>SIGNATURE:</b>	/Joel S. Sonnenberg/	
<b>DATE SIGNED:</b>	04/09/2019	
<b>Total Attachments: 2</b>		
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**PATENT**

For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Original Assignee

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:**

CASTRIP, LLC  
1915 Rexford Road  
Charlotte, NC 28211  
US  
State of Formation: Delaware

hereby sells, assigns and transfers to

**ASSIGNEE:**

NUCOR CORPORATION  
1915 Rexford Road  
Charlotte, NC 28211  
US  
State of Formation: Delaware

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the inventions listed below:

U.S. Provisional Patent Application No. 62/562,056	Iterative Learning Control for Periodic Disturbances in Twin-Roll Strip Casting with Measurement Delay
U.S. Provisional Patent Application No. 62/654,304	Iterative Learning Control for Periodic Disturbances in Twin-Roll Strip Casting with Measurement Delay

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patents to be obtained for said inventions by the above applications or any continuations, divisions, renewals, or substitutes thereof, and as to letters patents of any reissue or re-examination thereof.

ASSIGNOR further covenants that ASSIGNEE will, upon their request, be provided promptly with all pertinent facts and documents relating to said inventions and said Letters Patents 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 their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said applications, said inventions and said Letters Patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

*FF*

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**PATENT**

**REEL: 048831 FRAME: 0036**

ASSIGNOR:

CASTRIP, LLC

By: Frank Fisher

Name: Frank Fisher

Title: President, Castrip, LLC

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PATENT

RECORDED: 04/09/2019

REEL: 048831 FRAME: 0037