PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3996405

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| MICHAEL KRAMER | 07/28/2016 |

RECEIVING PARTY DATA

| Name: | ANDRITZ AG | |
|-----------------|-----------------------|--|
| Street Address: | STATTEGGER STRASSE 18 | |
| City: | GRAZ | |
| State/Country: | AUSTRIA | |
| Postal Code: | 8045 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15230583 |

CORRESPONDENCE DATA

Fax Number: (860)527-5029

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | NEY DOCKET NUMBER: ANDPAT/255/US | |
|-------------------------|----------------------------------|--|
| NAME OF SUBMITTER: | L. JAMES RISTAS | |
| SIGNATURE: | /L. JAMES RISTAS/ | |
| DATE SIGNED: | 08/08/2016 | |

Total Attachments: 2

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PATENT 503949749 REEL: 039364 FRAME: 0168

| Attorney Docket: | ANDPAT/255/US |
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ASSIGNMENT

WHEREAS, I, Michael Kramer, residing at Pfalzgrafenweg 3, 8020 Graz, Austria, have invented new and useful improvements in

Hydrocyclone with Fine Material Depletion in the Cyclone Underflow

for which I am making application for Letters Patent of the United States, which application was executed by me on the 28th day of July 2016; and

WHEREAS, Andritz AG, an Austrian corporation, having a place of business at Stattegger Strasse 18, 8045 Graz, Austria, is desirous of acquiring the entire right, title and interest in and to said improvements and any Letters Patent which may be granted thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid and other good and valuable consideration, receipt of which is hereby acknowledged, I, the said Michael Kramer, sell, assign and transfer to Andritz AG, its successors and assigns (hereinafter called "Assignee"), the entire right, title and Interest in and to said improvements and in and to any Letters Patent which may be obtained thereon in the United States, together with said application and all regular, divisional, continuing, substitute, renewal, reissue, and other applications for Letters Patent which have been or may be filed on said improvements in the United States, the same to be held and enjoyed by the Assignee for its and their sole use and behoof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent of the United States on said improvements to the Assignee.

I further covenant and agree that when requested by the Assignee, and without further consideration, but at the cost and expense of the Assignee, I will execute and deliver all applications for patent on said improvements, execute all lawful oaths and other papers, supply to the Assignee all facts and evidence known to me relating to said improvements and the history and development thereof, testify in all interferences, suits, and other legal proceedings, and generally do everything rightful which the Assignee shall consider desirable for aiding in securing, maintaining, and enforcing proper patent protection for said improvements and for vesting the title to said improvements in the Assignee.

I further covenant that I have the lawful right to assign the interest in said improvements in the manner and form as herein expressed, that the interests herein conveyed are free from prior assignment, grant, mortgage, license, or other encumbrance whatsoever and that the execution of this Assignment is my own free act and deed.

PATENT REEL: 039364 FRAME: 0169 Date: 28.04.16 Milliand Channer

Michael Kramer

Witness Karl Prem

Witness

Andrea Schuiter

PATENT REEL: 039364 FRAME: 0170

RECORDED: 08/08/2016