

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5760081

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	04/30/2018

**CONVEYING PARTY DATA**

Name	Execution Date
HARNISCHFEGER TECHNOLOGIES, INC.	04/30/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	JOY GLOBAL SURFACE MINING INC
<b>Street Address:</b>	4400 W. NATIONAL AVENUE
<b>City:</b>	MILWAUKEE
<b>State/Country:</b>	WISCONSIN
<b>Postal Code:</b>	53214

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16596392

**CORRESPONDENCE DATA****Fax Number:** (414)277-0656***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.*****Phone:** 4142716560**Email:** mkeipdocket@michaelbest.com**Correspondent Name:** MICHAEL BEST & FRIEDRICH LLP (MKE)**Address Line 1:** 100 E WISCONSIN AVENUE**Address Line 2:** SUITE 3300**Address Line 4:** MILWAUKEE, WISCONSIN 53202

<b>ATTORNEY DOCKET NUMBER:</b>	043020-9160-US04
<b>NAME OF SUBMITTER:</b>	BRIAN J. MARSTALL
<b>SIGNATURE:</b>	/bjm/
<b>DATE SIGNED:</b>	10/08/2019

**Total Attachments: 4**

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# Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"HARNISCHFEGER TECHNOLOGIES, INC.", A DELAWARE CORPORATION, WITH AND INTO "JOY GLOBAL SURFACE MINING INC" UNDER THE NAME OF "JOY GLOBAL SURFACE MINING INC", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE THIRTIETH DAY OF APRIL, A.D. 2018, AT 1:39 O`CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Jeffrey W. Bullock, Secretary of State

776210 8100M  
SR# 20183158645

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

Authentication: 202605320  
Date: 04-30-18

**PATENT**  
**REEL: 050657 FRAME: 0563**

CERTIFICATE OF MERGER  
OF  
HARNISCHFEGER TECHNOLOGIES, INC.  
AND  
JOY GLOBAL SURFACE MINING INC

Adopted in accordance with the  
provisions of Section 251 of the  
General Corporation Law of the  
State of Delaware

It is hereby certified that:

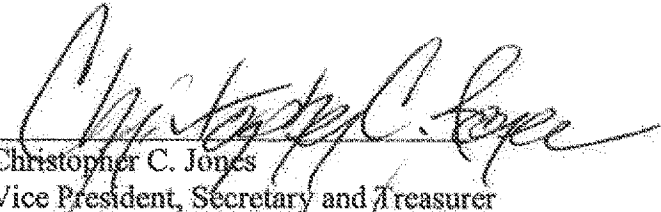
1. The constituent business corporations participating in the merger herein certified are:
  - (i) Harnischfeger Technologies, Inc., which is incorporated under the laws of the State of Delaware; and
  - (ii) Joy Global Surface Mining Inc, which is incorporated under the laws of the State of Delaware.
2. An Agreement of Merger has been approved, adopted, certified, executed and acknowledged by each of the aforesaid constituent corporations in accordance with the provisions of Section 251 of the General Corporation Law of the State of Delaware, to wit, by Harnischfeger Technologies, Inc. and Joy Global Surface Mining Inc, in the same manner as provided in Section 251 of the General Corporation Law of the State of Delaware.
3. The surviving corporation in the merger herein certified is Joy Global Surface Mining Inc, which will continue its existence as said surviving corporation upon the effective date of said merger pursuant to the provisions of the General Corporation Law of the State of Delaware.
4. The Certificate of Incorporation of Joy Global Surface Mining Inc shall be the Certificate of Incorporation of said surviving corporation until amended and changed pursuant to the provisions of the General Corporation Law of the State of Delaware.
5. The executed Agreement of Merger between the aforesaid constituent corporations is on file at the principal place of business of the aforesaid surviving corporation, the address of which is as follows:

Joy Global Surface Mining Inc  
4400 W. National Avenue  
Milwaukee, Wisconsin 53214

6. A copy of the aforesaid Agreement of Merger will be furnished by the aforesaid surviving corporation on request, and without cost, to any stockholder of each of the aforesaid constituent corporations.

Executed on this 30<sup>th</sup> day of April, 2018

HARNISCHFEGER TECHNOLOGIES, INC.

  
\_\_\_\_\_  
Christopher C. Jones  
Vice President, Secretary and Treasurer

JOY GLOBAL SURFACE MINING INC

\_\_\_\_\_  
Michael McClanahan  
Vice President

Joy Global Surface Mining Inc  
4400 W. National Avenue  
Milwaukee, Wisconsin 53214

6. A copy of the aforesaid Agreement of Merger will be furnished by the aforesaid surviving corporation on request, and without cost, to any stockholder of each of the aforesaid constituent corporations.

Executed on this 30<sup>th</sup> day of April, 2018

HARNISCHFEGER TECHNOLOGIES, INC.

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Christopher C. Jones  
Vice President, Secretary and Treasurer

JOY GLOBAL SURFACE MINING INC



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Michael McClanahan  
Vice President