

State of Idaho

Department of State

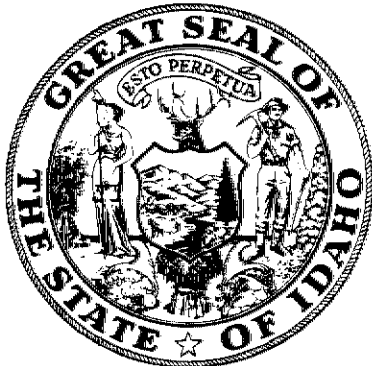
CERTIFICATE OF AUTHORITY OF

JOY TECHNOLOGIES INC.

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of JOY TECHNOLOGIES INC. _____
_____ for a Certificate of Authority to transact business in this State, duly signed and verified pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Authority to JOY TECHNOLOGIES INC. _____
to transact business in this State under the name JOY TECHNOLOGIES INC. _____
_____ and attach hereto a duplicate original of the Application for such Certificate.

Dated May 22, 1987



Pete T. Cenarrusa

SECRETARY OF STATE

Sandra M. ...
Corporation Clerk

APPLICATION FOR CERTIFICATE OF AUTHORITY

(Profit Corporation)

To the Secretary of State of Idaho

Pursuant to Section 30-1-110, Idaho Code, the undersigned Corporation hereby applies for a Certificate of Authority to transact business in your State, and for that purpose submits the following statement:

MAY 22 10 07 AM '87
SECRETARY OF STATE

1. The name of the corporation is JOY TECHNOLOGIES INC.

2. The name which it shall use in Idaho is ----

(To be used only when required to avoid a conflict with a name already on file. Must be accompanied by a Board of Directors resolution adopting assumed name in Idaho.)

3. It is incorporated under the laws of Delaware

4. The date of its incorporation is May 12, 1986 and the period of its duration is perpetual

5. The address of its principal office in the state or country under the laws of which it is incorporated is

229 South State Street, Dover 19901

6. The address to which correspondence should be addressed, if different from that in item 5.

301 Grant Street, Pittsburgh, PA 15219

7. The street address of its proposed registered office in Idaho is c/o The Prentice-Hall Corporation System, Inc., One Capital Center, 999 Main Street Boise, Idaho 83702, and the name of its proposed

registered agent in Idaho at that address is The Prentice-Hall Corporation System, Inc.

8. The purpose or purposes which it proposes to pursue in the transaction of business in Idaho are:

The manufacture and sale of underground mining equipment; fabrication of air pollution equipment and processes; the manufacture and sale of ash handling systems.

9. The names and respective addresses of its directors and officers are:

Name	Office	Address
see attached		

(continued on reverse)

Name	Office	Address
see attached		

- 10. The corporation accepts and shall comply with the provisions of the Constitution and the laws of the State of Idaho.
- 11. This Application is accompanied by a certificate of Corporate Status or Existence, duly authenticated by the proper officer of the state or country under the laws of which it is incorporated.

Dated: April 28, 1987

JOY TECHNOLOGIES INC.
(Corporation Name)

By *[Signature]*
 MICHAEL R. BRUCE Its ~~President~~ Vice President (please specify)

and *[Signature]*
 JOHN G. QUIGLEY Its Secretary ~~Assistant Secretary~~ (please specify)

STATE OF NEW YORK)
) ss:
 COUNTY OF NEW YORK)

I, SYLVIA SIEGEL, a notary public, do hereby certify that on this 28th day of April, 19 87, personally appeared before me MICHAEL R. BRUCE, who being by me first duly sworn, declared that he is the Vice President of JOY TECHNOLOGIES INC.

that he signed the foregoing document as Vice President of the corporation and that the statements therein contained are true.

[Signature]
 Notary Public

SYLVIA SIEGEL
 NOTARY PUBLIC, State of New York
 NO 24-899001G
 Qualified in Kings County
 Commission Expires June 30, 1988

Names, Titles and residence addresses of Directors and Officers

<u>Name</u>	<u>Title</u>	<u>Address</u>
Roy Wennerholm, Jr.	Chairman and Director	145 Hunt Valley Circle Berwyn, PA 19312
Leonard Shaykin	President and Director	101 Central Park West New York, NY 10023
John G. Quigley	Vice President, Secretary and Director	255 West 92nd St. New York, NY 10025
Michael R. Bruce	Vice President and Treasurer	430 E. 86th Street New York, NY 10028

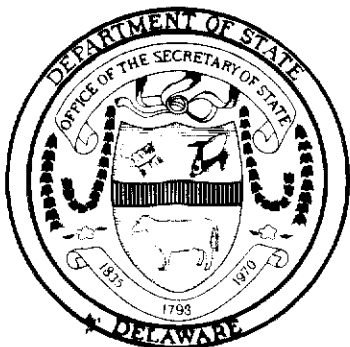


MAY 22 10 07 AM '87
SECRETARY OF STATE

Office of Secretary of State

I, MICHAEL HARKINS, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY JOY TECHNOLOGIES INC. IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE DATE SHOWN BELOW.

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Michael Harkins
Michael Harkins, Secretary of State

AUTHENTICATION: 11241770

DATE: 05/19/1987