

State of Idaho

Department of State

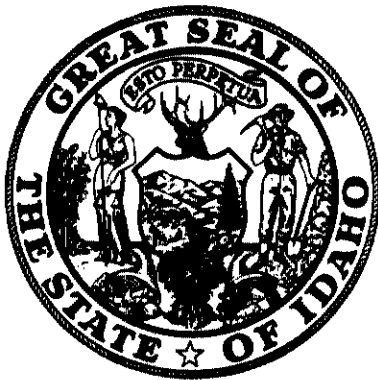
CERTIFICATE OF INCORPORATION OF

CRANDALL RESEARCH & DEVELOPMENT CO., INC.

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of Articles of Incorporation for the incorporation of the above named corporation, duly signed 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 Incorporation and attach hereto a duplicate original of the Articles of Incorporation.

Dated: **August 28, 1991**



Pete T. Cenarrusa

SECRETARY OF STATE

by: *Elizabeth M. Gabala*

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ARTICLES OF INCORPORATION

Of

CRANDALL RESEARCH & DEVELOPMENT CO., INC.

The undersigned, acting as incorporators of a corporation under the Idaho Business Corporation Act, adopts the following Articles of Incorporation for such corporation :

FIRST : the name of the corporation is CRANDALL RESEARCH & DEVELOPMENT CO., INC.

SECOND : the period of its duration is perpetual.

THIRD : the purpose for which the corporation is organized is the transaction of any or all lawful business for which corporations may be incorporated under the Idaho Business Corporation Act.

FOURTH : the aggregate number of shares which the corporation shall have the authority to issue is 10,000 at no par value.

FIFTH : provisions denying preemptive rights are none.

SIXTH : Provisions for the regulation of the internal affairs of the corporation are none.

SEVENTH : The address of the initial registered office of the corporation is 1963 MORTIMER CT., BOISE, IDAHO 83712 and the name of the initial registered agent at such address is DANIEL W.

CRANDALL .

EIGHTH : the number of directors constituting the initial Board of Directors of the corporation is 2 and the names and addresses of the persons who are to serve as directors until the first annual meeting of

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the shareholders or until their successors are elected and shall qualify are :

| NAME | ADDRESS |
|---------------------|--|
| DANIEL W. CRANDALL | 1963 Mortimer Ct., Boise, Idaho 83712 |
| DALLAS W. CRANDALL | 410 Village Lane, Boise, Idaho 83702 |
| DOUGLAS W. CRANDALL | 1725 E. Boise Ave., Boise, Idaho 83706 |

NINTH : the name and address of each incorporator is :

| NAME | ADDRESS |
|---------------------|---------------------------------------|
| DANIEL W. CRANDALL | 1963 Mortimer Ct., Boise, Idaho 83712 |
| DALLAS W. CRANDALL | 410 Village Lane, Boise, Idaho 83702 |
| DOUGLAS W. CRANDALL | 1725 E. Boise Ave. Boise, Idaho 83706 |

DATED THIS 7TH DAY OF JULY, 1991.



DANIEL W. CRANDALL



DALLAS W. CRANDALL



DOUGLAS W. CRANDALL