OVER SEET U.S. Coarment of Commerce NLV APR 3- atent and Trademark Office ecord are anothed original document or copy thereof.
Name: ARCH DEVELOPMENT CORP. Internal Address: Street Address: 5640 South Ellis Avenue City: Chicago State: IL Zip: 60637
Iditional name(s) & address(es) attached? Yes No application is: B. Patent No.(s): 5,571,797
Total number of applications and patents involved:1 Total fee (37 C.F.R. 3.41)
Deposit account number: 01-2508/ARCD:133/HYL (Attach duplicate copy of this page if paying by deposit account)
adding attached copy is a true copy of the original document.
Signature Date number of pages including cover sheet, attachments and documents: 3 Lover sheet information to: s, Office of Public Records, hington, D.C. 20231 NG Vice with sufficient postage as First Class Mail in an envelope stay Onleway 4, Room 335, Washington, DC 20231, on the date
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PATENT FILE NO. ARCD:133

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to ARCH DEVELOPMENT CORPORATION (the "Assignee"), having a place of business at 1101 East 58th Street, Austin, Texas 60637, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 08/241,863 which has been filed on May 11, 1994; now issued as Patent No. 5,571,797 on November 5, 1996; and is entitled "METHOD OF INDUCING GENE EXPRESSION BY IONIZING RADIATION", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

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TO BE BINDING on the heurs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Date: Truit 27, 1999
Name: Tsuneya Ohno

STATE OF

COUNTY OF JAPAN

BEFORE ME, the undersigned authority, on this <u>27</u> day of <u>April</u>, 1998, personally appeared Tsuneya Ohno, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Akiko Dhgaki
Notary or Consular Officer

[SEAL]

ARNOLD, WHITE & DURKEE

P. O. Box 4433 Houston, Texas 77210 2001 Jefferson Davis Hwy., Ste. 401 Arlington, Virginia 22202

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RECORDED: 04/30/1999

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