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1. Name of conveying party(ies):

Rev. 6-93) OMB No 0651-0011 (EXP. 4/94)

Paul C	C. Galambos,	Frank J.	Peter,	Richard	C. Givler,

and Kevin D. Zavadil

SANDIA CORPORATION P. O. Box 5800 - MS-0161

	0//30/0/	Albuquerque, New Mexico 87185-0161
Additional name(s) of co	nveying party(ies) attached? Yes X No	
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> **PATENT** REEL: 012033 FRAME: 0217

ASSIGNMENT

WHEREAS, Paul C. Galambos, Frank J. Peter, and Richard C. Givler of Albuquerque, New Mexico; Kevin R. Zavadil of Bernalillo, New Mexico; Arthur M. Gooray and George J. Roller of Penfield, New York; and Joseph M. Crowley of Morgan Hill, California; has(have) made an invention relating to Bi-Directional Fluid Ejection Systems and Methods in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: S-95,504 duly executed by said inventor(s); and

WHEREAS, Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of his/her/their their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012, effective October 1, 1993; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation his/her/their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her/their interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia Corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of him/her/them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

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Signed at Albuquerque, New Mexico

Date

7/19/01

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STATE OF NEW MEXICO)
) ss:
COUNTY OF BERNALILLO)

On the dates listed above, personally appeared before me, Mary Loukota, Notary Public, Paul C. Galambos, Frank J. Peter, Kevin R. Zavadil, and Richard C. Givler, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

Approved and consented to this 23 day of

RECORDED: 07/30/2001

SANDIA CORPORATION

Timothy D. Stanley

Chief Patent Counsel

Patent and Licensing Office, MS 0161

PATENT REEL: 012033 FRAME: 0220