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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/953,573

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas F. Lebens

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Internal Address:

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

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PATENT REEL: 012553 FRAME: 0037

A S S I G N M E N T

WHEREAS, FREDERICK L. HINTON and MARSHALL N. ROSENBLUTH of the County of San Diego, State of California, U.S.A., for good and valuable consideration, have assigned and do hereby assign to GENERAL ATOMICS, a California corporation organized under the laws of the State of California with its principal place of business at 3550 General Atomics Court, San Diego, California, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by FREDERICK L. HINTON and MARSHALL N. ROSENBLUTH and disclosed in the following patent application:

**METHOD OF SIMULATING A FLUID BY ADVECTION OF A
TIME-WEIGHTED EQUILIBRIUM DISTRIBUTION FUNCTION**

(Application No. 09/953,573 filed September 14, 2001)

and in and to said applications and any and all divisionals, continuations, substitutes, renewals, reissues and foreign counterparts thereof, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter.

FREDERICK L. HINTON and MARSHALL N. ROSENBLUTH agree to do, or have done by the inventors, all acts and sign, or have signed by the inventors, all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisions, reissues, renewals and extensions, and request issuance of all said

