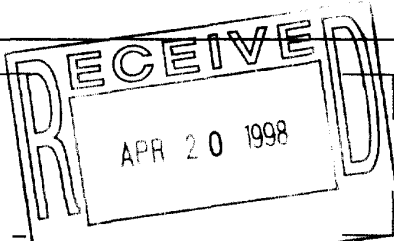


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Application for:       IMPROVED PROPELLANT SYSTEM

Inventors:     Calvin T. Candland  
                  James L. Kennedy

Serial No.:     08/841,431

Contract No.: DAAK11-84-C-0102

Filing Date:   04/22/97

Contractor:   Alliant Techsystems Inc.

The invention identified above is a "Subject Invention" under Patent Rights Clause FAR 52.227-12, dated April, 1984, included in Contract No. DAAK11-84-C-0102 with the Department of the Army, which clause does not include the communications satellite paragraph of DAR 7-302.23 (g). This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application, and any resulting patent, and of all other rights acquired by the Government by the referenced clause.

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Signed this 6th day of March, 1998

ALLIANT TECHSYSTEMS INC.

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