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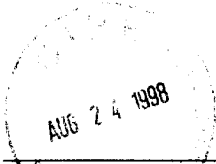
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ROBERT D. MORELL Robert D. Morell 08/11/1998
Name of Person Signing Signature Date



ASSIGNMENT

(Government Employee)

TITLE OF INVENTION:

**METHOD OF ELLIPTIC CURVE CRYPTOGRAPHIC KEY EXCHANGE USING
REDUCED TAU-ADIC EXPANSION IN NON-ADJACENT FORM**

INVENTORS:

ROBERT W. REITER, JEROME A. SOLINAS

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Director, National Security Agency, the entire right, title, and interest throughout the world in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of the interferences and recording of title to patent applications and patents.

INVENTOR: Robert W. Reiter

ADDRESS: (City) 519 Hawks Mill (County) Carroll

(State) Woodbine MD

DATE: 8/11/98

SIGNATURE: Robert W. Reiter

INVENTOR: James A. Soumerai

ADDRESS: (City) Westminster (County) CARROLL
(State) MARYLAND

DATE: 8/11/98

SIGNATURE: [Handwritten Signature]

State of MARYLAND)
County of ANNIS ARUNDEL)

On 11 AUGUST 1998 (date), known to me to be the individuals described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that they executed the same as their own free act and deed.

[Handwritten Signature]
(Signature)

(SEAL) Notary Public of ANNIS ARUNDEL, MARYLAND
My Commission Expires 1 NOV 2001