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Correspondent Name and Address Area Code and Telephone Number 301-975-3084						
Name	Brenda Gray					
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NIST Docket number: 99-012/023US

ASSIGNMENT OF PATENT RIGHTS

No.

We, RICHARD NORCROSS, residing in Germantown, Maryland, and W. ROBERT BUNCH,

residing in Ashburn, Virginia, have co-invented with Dave Engvall " CHAIN CODE POSITION

DETECTOR," and have filed an application for United States Letters Patent, Serial Number

09/590,895 on June 9, 2000.

The invention was made while we were employees of the United States Department of

Commerce and under such circumstances that applicable laws and regulations render the patent

rights assignable to the United States. The United States of America, represented by the

Secretary of Commerce, wishes to acquire these rights.

Therefore, we assign to the United States of America, as represented by the Secretary of

Commerce, our full and exclusive world-wide rights to this invention. This invention and its

derivative applications and Letters Patent are to be held by the United States of America for the

full term for which such Letters Patent may be granted as completely as they would have been

held by us had we not made this assignment.

We agree to make, execute, and deliver to the Secretary of Commerce all documents in such

usual or other forms, terms, or contents as may be required by the Secretary for the prosecution

PATENT

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of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any interference or other action or proceeding, these applications and Letters Patent may encounter. We will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time we execute this instrument.

IN TESTIMONY WHEREOF, we sign.

DICHARD I NORCROSS

PORERT W-DINCH

W. ROBERT BUNKA

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