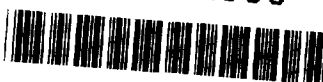


FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

08-11-2000

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Month Day Year

Name (line 1) KARDOS, DAVID W

06082000

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

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Address (line 2)

Address (line 3) City State/Country Zip Code

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Name (line 2)

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Patent Number(s)

09572048

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<input type="text" value="09572048"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

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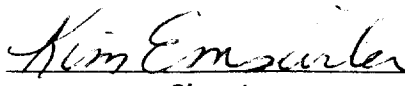
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Kim Emswiler  06-22-2000

Name of Person Signing Signature Date

**ASSIGNMENT OF PATENT RIGHTS**

We, JOHN W. ROBERTS, residing in Damascus, Maryland, OLIVER T. SLATTERY, residing in Gaithersburg, Maryland, and DAVID W. KARDOS, residing in Columbia, Maryland, have invented "A ROTATING-WHEEL REFRESHABLE BRAILLE READER", and have filed an application for United States Letters Patent, Serial Number 09/572,048 on May 16, 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 of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any interferences or other actions or proceedings 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.

*John W. Roberts*

JOHN W. ROBERTS

*6/8/00*

Date

*Oliver T. Slattery*

OLIVER T. SLATTERY

*6/8/00*

Date

*David W. Kardos*

DAVID W. KARDOS

*6/8/00*

DATE