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07/23/02

Name (line 1) Stephen Wolf

Name (line 2) Margaret H. Pinson

Second Party

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PATENT

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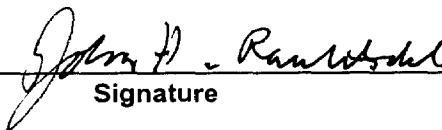
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ASSIGNMENT OF PATENT RIGHTS

We, Stephen Wolf and Margaret H. Pinson both residing in the state of Colorado, have invented a "Video Quality Assessment with Test Video Sequences" with Phillip Austin and Vivaik Balasubrawmanian, and have filed an application for United States Letters Patent on October 31, 2001, Application No. 09/999,541. Under applicable law and government regulations, our rights in the invention are required to be assigned to the United States of America because of the circumstances under which the invention was made.

The United States of America, represented by the Secretary of Commerce, wishes to acquire our world wide rights to this invention. Therefore, we assign to the United States of America, as represented by the Secretary of Commerce, our full and exclusive rights throughout the world to this invention. By granting the assignment, we become eligible to share royalties with the Department of Commerce if it licenses the invention.

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.



Stephen Wolf

7/23/2002
Date



Margaret H. Pinson

23 July 2002
Date