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| KOLISCH |
| HARTWELL |
| DICKINSON |
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A Professional Corporation

PATENTS AND TRADEMARKS

December 8, 1999

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 John M. McCormack*
 Peter E. Heuser*
 David A. Fanning*
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Sir:

09/457903

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Of Counsel:
 J. Pierre Kolisch
 M. H. Hartwell

Technical Advisors:
 M. Matthews Hall, Ph.D.
 Christopher S. Tuttle

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(1) Name of conveying party:

Oleg V. Kononchuk and Stephen L. Martin

(2) Name and address of receiving party:

SEH AMERICA, Inc.
 4111 N.E. 112th Avenue
 Vancouver, Washington 98682-6776

(3) The nature of the conveyance is an Assignment, which was

executed December 7, 1999.

(4) This document is being filed with a new patent application,

for which the execution date of the application is December 8, 1999.

(5) Any and all correspondence concerning this document

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JC676 U.S. PTO
 09/457903
 12/08/99

12/23/1999 REEL: 010471 FRAME: 0069
 03-JC:581

PATENT
REEL: 010471 FRAME: 0069

J. David Fulmer
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520 S.W. Yamhill Street
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(6) The total number of patent applications involved in this conveyance is 1.

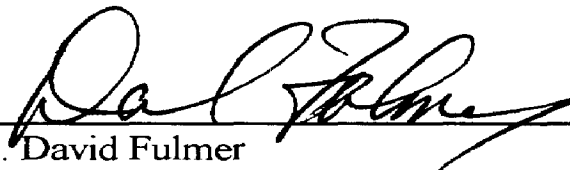
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Respectfully submitted,

KOLISCH, HARTWELL, DICKINSON,
McCORMACK & HEUSER



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of Attorneys for Applicants

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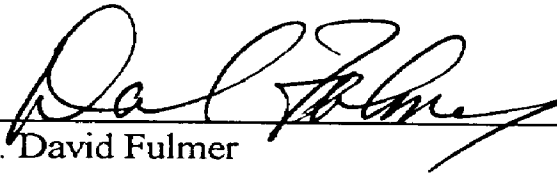
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ASSIGNMENT

SEH Matter No. PA0339DGA99
Firm Matter No. SEH 324

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|-------------------------------------|-----------------------|-----------------------|
| (1-2) Insert Name(s) of Inventor(s) | (1) Oleg V. Kononchuk | (2) Stephen L. Martin |
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| | |
|--|---|
| (4) Insert name of Assignee | (4) SEH AMERICA, INC. |
| (5) Insert state of incorporation of Assignee | (5) California |
| (6) Insert address of Assignee | (6) 4111 N.E. 112th Avenue, Vancouver, Washington 98682-6776 |
| (7) Insert identification of invention, such as Title, Case Number or Foreign App. | (7) <u>NAME OF INVENTION</u> SYSTEM AND METHOD FOR CHARACTERIZING SEMICONDUCTOR SUBSTRATES |
| (8) Insert Date of Signing of Declaration | (8) December 7, 1999 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the above-named, undersigned inventor(s), said undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to the above-identified Assignee, its successors and assigns, the entire and exclusive worldwide right, title and interest in and to the above-identified invention and application and any Letters Patent which may be granted and issued on said application, any continuations, divisions, reissues and extensions of said application or Letters Patent and all international priority rights associated with the above-identified invention and application. Further:

- (1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- (2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning the above-identified application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- (3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- (4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- (5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisional or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed and will not execute, any agreement in conflict herewith.
- (6) The undersigned hereby grant(s) Timothy H. Courson, Reg. No. 33,300; Douglas G. Anderson, Reg. No. 42,262; J. Pierre Kolisch, Reg. No. 15,802; M. H. Hartwell, Reg. No. 18,027; Jon M. Dickinson, Reg. No. 22,820; John M. McCormack, Reg. No. 26,948; Peter E. Heuser, Reg. No. 27,902; David P. Cooper, Reg. No. 33,372; David A. Fanning, Reg. No. 33,233; Walter W. Karnstein, Reg. No. 35,565; Pierre C. Van Rysselberghe, Reg. No. 33,557; Charles H. DeVoe, Reg. No. 37,305; Stephen F. Gass, Reg. No. 38,462; Kasey C. Christie, Reg. No. 40,559; David S. D'Ascenzo, Reg. No. 39,952; Owen W. Dukelow, Reg. No. 41,002; James R. Abney, Reg. No. 42,253; Mark D. Alleman, Reg. No. 42,257; James D. Fulmer, Reg. No. 42,561;

M. Matthews Hall, Reg. No. 43,653; and Christopher S. Tuttle, Reg. No. 41,357, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for recordation of this document.

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| Date: | Signature of Inventor (1) |
| 12/07/99 | Oleg V Kononchuk |

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| Date: | Signature of Inventor (2) |
| 12/7/99 | Stephen J. Matthews |