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U.S. Department of Commerce  
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**PATENT**



101688475

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1c986 U.S. PTO  
09/829333  
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Name (line 1) Karthikeyan R. Narayanaswamy Execution Date 03/14/2001  
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Name (line 2) \_\_\_\_\_

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Name (line 1) Siemens Canada Limited

Name (line 2) \_\_\_\_\_

Address (line 1) 16 Industrial Park Road

Address (line 2) \_\_\_\_\_

Address (line 3) Tilbury Ontario CANADA NOP 2L0  
City State/Country Zip Code

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Enter for the first Receiving Party only.

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Karin H. Butchko  April 9, 2001

Name of Person Signing Signature Date

**ASSIGNMENT**  
**(Sole Inventor)**

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, I, **Karthikeyan R. Narayanaswamy**, residing at **2831 Woodmont, Canton, Michigan 48188**, do hereby assign, sell and set over to **Siemens Canada Limited** and having a place of business at **16 Industrial Park Road, Tilbury, Ontario, Canada N0P 2L0**, hereinafter referred to as ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in:

**ULTRA SONIC OR HEAT STAKED FASTENING FOR  
AIR INTAKE MANIFOLD ACTIVE SYSTEM**

which was filed on October 24, 2000 as United States Provisional Patent Application Serial No. 60/242,872, an is set forth in an application for Letters Patent in the United States executed on even date herewith, attorney docket number 60,426-228; including the right of said ASSIGNEE, its successors, assigns or other legal representatives to file foreign patent applications corresponding to said application, and the right to claim the priority date of said application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents, the same to be held and enjoyed by the ASSIGNEE, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

And I hereby covenant and agree that I, my heirs, successors, assigns or other legal representatives will at any time upon the request and at the expense of the ASSIGNEE, its successors, assigns, or other legal representatives execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor.

And I hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the ASSIGNEE in accordance with this Agreement.

And I hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

MARCH 14 01

Date



Karthikeyan R. Narayanaswamy

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

**Elsa Keller  
Siemens Corporation  
186 Wood Avenue South  
Iselin, New Jersey 08830**

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