

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL                                 |           |
|--|-----------|
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|   |  |   |
|---|--|---|
| 1. Name and Address of Reporting Person *<br><u>RAINVILLE WILLIAM A</u><br><br>(Last) (First) (Middle)<br>KADANT INC.<br>ONE TECHNOLOGY PARK DRIVE<br><br>(Street)<br>WESTFORD MA 01886<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>KADANT INC [ KAI ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><input checked="" type="checkbox"/> Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br>Chief Executive Officer |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>12/01/2006           |   |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                 | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person  |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price   |   |  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 300   | A          | \$13.05 | 100,386   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 300   | D          | \$23.15 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$23.13 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$23.12 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$23.11 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 200   | A          | \$13.05 | 100,286   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 200   | D          | \$23.1  | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$23.08 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$23.07 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 1,200   | A          | \$13.05 | 101,286   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 1,200   | D          | \$23.06 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 1,000   | A          | \$13.05 | 101,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 1,000   | D          | \$23.05 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 400   | A          | \$13.05 | 100,486   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 400   | D          | \$23.04 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 200   | A          | \$13.05 | 100,286   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 200   | D          | \$23.02 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 300   | A          | \$13.05 | 100,386   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 300   | D          | \$23.01 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 10,800  | A          | \$13.05 | 110,886   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 10,800  | D          | \$23    | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 700   | A          | \$13.05 | 100,786   | D  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 700   | D          | \$22.99 | 100,086   | D  |   |
| Common Stock                    | 12/01/2006                           |  | M                              |   | 100   | A          | \$13.05 | 100,186   | D  |   |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price   |   |  |   |
| Common Stock                    | 12/01/2006                           |  | S                              |   | 100   | D          | \$22.98 | 100,086   | D  |   |

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |        | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|--------|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D)    | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Employee Stock Option (Right To Buy)       | \$13.05  | 12/01/2006                           |  | M                              |   |  | 15,700 | 12/10/2001   | 12/10/2008      | Common Stock  | 15,700                                     | \$0  | 74,900  | D  |       |

Explanation of Responses:

**Remarks:**

THE TRANSACTIONS REPORTED ON THIS FORM 4 WERE EXECUTED PURSUANT TO A RULE 10b5-1 TRADING PLAN.

by Sandra L. Lambert for  
William A. Rainville 12/05/2006

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.