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# INTERNATIONAL SEARCH REPORT

International Application No. PCT/US88/04380

|   |  |   |
|---|--|---|
| <b>I. CLASSIFICATION OF SUBJECT MATTER</b> (if several classification symbols apply, indicate all) <sup>6</sup>   |  |   |
| According to International Patent Classification (IPC) or to both National Classification and IPC   |  |   |
| IPC (4) H05B 3/02   |  |   |
| U.S. Cl. 219/548  |  |   |
| <b>II. FIELDS SEARCHED</b>  |  |   |
| Minimum Documentation Searched <sup>7</sup>   |  |   |
| Classification System   | Classification Symbols   |   |
| U.S. Cl.  | 219/528, 548, 552, 553; 338/22 SD, 25, 271   |   |
| Documentation Searched other than Minimum Documentation<br>to the Extent that such Documents are Included in the Fields Searched <sup>8</sup>   |  |   |
|   |  |   |
| <b>III. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <sup>9</sup>  |  |   |
| Category <sup>*</sup>   | Citation of Document, <sup>11</sup> with indication, where appropriate, of the relevant passages <sup>12</sup> | Relevant to Claim No. <sup>13</sup>                 |
| A,P   | US, A 4,783,587 (ISHII et al.) 08 November 1988<br>(See entire document).                                      | 1-10  |
| A,P   | US, A 4,719,335 (BATLIWALLA et al.) 12 January 1988<br>(See entire document).                                  | 1-10  |
| A   | US, A 4,706,060 (MAY) 10 November 1987<br>(See entire document).   | 1-10  |
| A   | US, A 4,689,475 (MATTHIESEN) 25 August 1987<br>(See entire document).  | 1-10  |
| A   | US, A 4,635,026 (TAKEUCHI) 06 January 1987<br>(See entire document).   | 1-10  |
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| <b>IV. CERTIFICATION</b>  |  |   |
| Date of the Actual Completion of the International Search   |  | Date of Mailing of this International Search Report |
| 29 June 1989  |  | 14 JUL 1989   |
| International Searching Authority   |  | Signature of Authorized Officer                     |
| ISA/US  |  | <i>Marvin M. Lateef</i><br>Marvin M. Lateef         |