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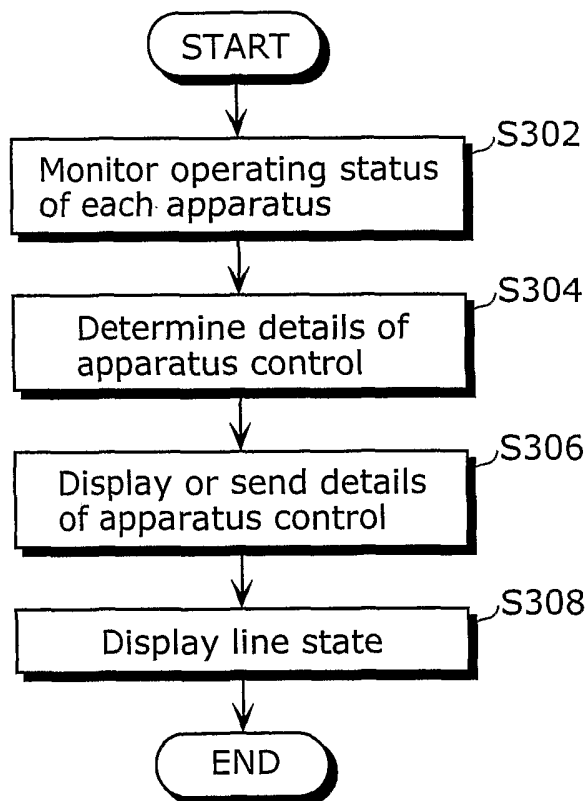
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[Continued on next page]

(54) **Title:** MONITORING METHOD, MONITORING APPARATUS, AND MOUNTER



(57) **Abstract:** The monitoring method, which is capable of improving the efficiency in producing component mounting boards at the whole production line level, is a monitoring method of monitoring an operating status of a production line for producing a component mounting board by mounting components onto a board, the method including: a monitoring step (S302) of monitoring an operating status of each of production apparatuses making up the production line; and a controlling step (S304 to S306) of performing a control that allows each of one or more mounters, included in the production apparatuses making up the production line, to efficiently produce the component mounting board, based on a result of the monitoring step (S302).

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**INTERNATIONAL SEARCH REPORT**

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. G05B23/02 H05K13/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
G05B H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 98/49646 A (MOTOROLA INC) 5 November 1998 (1998-11-05) page 3, line 14 - page 8, line 21	1,27;31, 37 2-26, 28-30, 32-36, 38,39
Y	----- PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 264399 A (MATSUSHITA ELECTRIC IND CO LTD), 19 September 2003 (2003-09-19) abstract	2-26, 28-30, 32-36, 38,39
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Further documents are listed in the continuation of Box C.

See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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# INTERNATIONAL SEARCH REPORT

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