The serial number BOM 131 (sub-component table) is a database for managing a component table for each serial number (individual) with respect to a product to be produced. The serial number BOM 131 includes the update deadline master 1311, the product number version number master 1312, and the serial number configuration master 1313. For example, in a case where production by order for a certain vehicle is performed, serial number BOMs 131 corresponding to the number of vehicles for which the order has been received are registered in the serial number BOM storage unit 13 in advance. Specifically, in a case where production by order for n (n is an integer of 1 or greater) vehicles is performed, serial number BOMs 131-1 to 131-n which are n serial number BOMs 131 are registered in the serial number BOM storage unit 13 in advance. In this case, information registered in the product number version number master 1312 is the same as those in the serial number BOMs 131-1 to 131-n. For this reason, one product number version number master 1312 may be shared by the serial number BOMs 131-1 to 131-n. In a case where the update deadline master 1311, the product number version number master 1312, and the serial number configuration master 1313 include an item indicating identification information of a serial number to be managed, the serial number BOMs 131-1 to 131-n may be

the second determination unit 162 gives a change notification to the third determination unit 163. The second determination unit 162 outputs values of the changed configuration record, values of the changed product number record, and the drawing version number to the third determination unit 163. When the third determination unit 163 receives the change notification from the second determination unit 162, the third determination unit acquires the values of the changed configuration record, the values of the changed product number record, and the drawing version number from the second determination unit 162. The third determination unit 163 determines whether or not a change measure label has been input (step S105).

[0040]

In a case where it is determined that the change measure label has been input (step S106: YES), the third determination unit 163 determines that a change in the serial number BOM 131 after the update deadline has been permitted. The third determination unit 163 updates the selected serial number BOM 131 on the basis of the values of the changed configuration record, the values of the changed product number record, and the drawing version number (step S107). Specifically, the third determination unit 163 generates a product number version number record

In the above-described flow chart, a description has been given of a case where both the product number master 1211 and the configuration master 1212 have been changed in the E-BOM 121, but the change in the E-BOM 121 may be a change in only one of the product number master 1211 and the configuration master 1212. The change in the E-BOM 121 may be a change in the existing record, or may be the registration of a new record. Even when the change in the E-BOM 121 is either the change in the existing record or the registration of a new record, contents of the change in the E-BOM 121 are stored for each drawing version number in the serial number BOMs 131 of the respective serial numbers.

[0045]

Figs. 7 and 8 are diagrams illustrating an operation example of the component table management system 1 according to the embodiment.

In the examples illustrated in Figs. 7 and 8, update deadlines of respective serial numbers are set on arrangement instruction dates R11-1 to R11-n of the respective serial numbers. In the example illustrated in Fig. 7, release R12 of a new drawing and release R13 of a corrected drawing are performed before the arrangement instruction date R11-1 of a first serial number. In the examples illustrated in Figs. 7 and 8, the condition of