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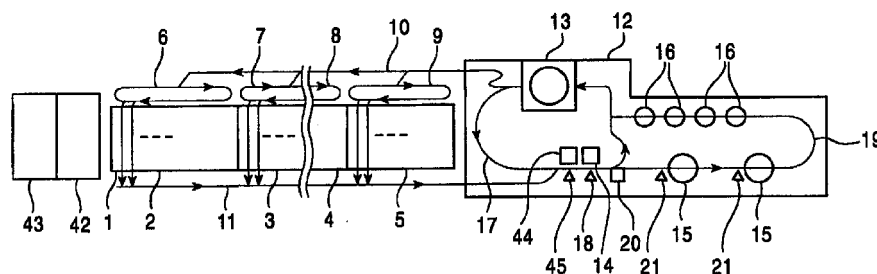
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(54) **Tray transfer system and tray storage apparatus**

(57) To store unwanted empty trays that may occur on a transfer path, as required to facilitate lot changes and to enable the number of trays to be adjusted optimally depending on the yarn count number or the winding speed. In a tray transfer system that supplies bobbins to an automatic winder composed of a plurality of winding units installed in parallel, a tray storage apparatus 15 for stacking a plurality of empty trays for stor-

age is located in the middle of an empty tray transfer path 19 in a bobbin processing section 12. When the lack of an installed bobbin in a bobbin installation apparatus 16 is detected, the tray storage apparatus 15 is activated to store all trays for a particular yarn type, these trays being transferred along the empty tray transfer path 19.

FIG. 1



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EUROPEAN SEARCH REPORT

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BERLIN		14 February 2000	David, P
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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