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(54) **Yarn-processing system**

(57) To provide a take-up device which joins a plurality of yarns of different types having different colors or the like with respectively desired lengths while successively selecting these in accordance with a preliminarily designed pattern, and exerts superior functions from the viewpoint of availability factor when the yarn is wound into a package.

With respect to a single take-up package P placed in a take-up unit 15, a yarn-joining take-up device for different types of yarns is provided with a yarn-supplying unit 11 having supply yarns of a plurality of types, a yarn-joining unit 13 placed between the yarn-supplying unit and the take-up unit and a yarn-type selection unit 12

placed between the yarn-supplying unit and the yarn-joining unit, a yarn-joining device 19 is installed in the yarn-joining unit, and a yarn-type selection device 18 that selects the succeeding yarn on the yarn-supplying side to be joined to the leading yarn on the take-up package side is installed in the yarn-type selection unit; thus, the leading yarn, which is being connected to the yarn-type selection device, is guided to the yarn-joining device by the yarn-joining device and the yarn-type selection device, and the succeeding yarn is guided to the yarn-joining device by a succeeding-yarn guiding means to be yarn-joined therein.

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EUROPEAN SEARCH REPORT

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Place of search The Hague		Date of completion of the search 1 November 2004	Examiner D'Hulster, E
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