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(54) **Method and device to prepare a wound package of a succession of different yarns and package obtained with said method and device**

(57) Method and device (10) to prepare a support (14) such as a cone, a spool or a bobbin for mixed yarns to be sent to subsequent treatments such as twisting, warping, weaving and knitting. The support (14) is formed by a succession of threads (16a-16f) different from each other in color, count, physical-mechanical characteristics, composition or nature. The device (10) comprises a plurality of feed cones (12a-12f) that feed the threads (16a-16f), a collection assembly (32) for the

support (14), an electronic device (23) to calculate the meters wound on the support (14), a command and control unit which dialogs with the electronic device (23) and determines the moment for the change of thread (16a-16f) being fed to the support (14), a joining device (21) to join the end of one thread (16a-16f) entering and the end of one thread (16a-16f) exiting, and an introduction device (17) to feed the threads (16a-16f) that it feeds one at a time in sequence to the collection assembly (32).

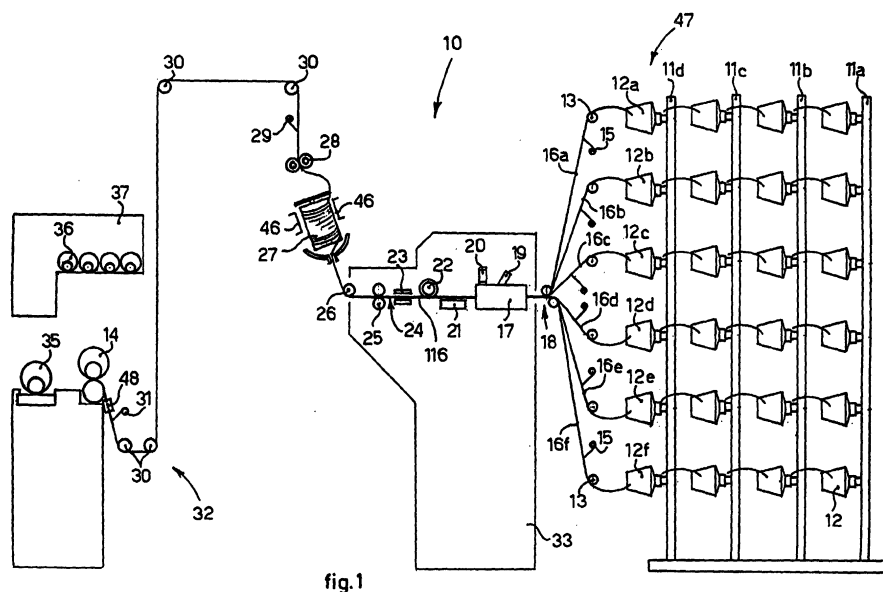


fig.1



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# EUROPEAN SEARCH REPORT

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EP 03 10 4265

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Place of search The Hague		Date of completion of the search 21 October 2004	Examiner D'Hulster, E
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  &amp; : member of the same patent family, corresponding document</p>			

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