

Title (en)

Apparatus for the automatically changing of the cones for feeding the yarn to a textile machine and method thereof

Title (de)

Verfahren und Vorrichtung zum Wechseln von Garnkonen zum Führen des Garnes an einer Textilmaschine

Title (fr)

Procédé et dispositif pour le changement automatique de cônes pour amener le fil à une machine textile

Publication

**EP 0999299 A2 20000510 (EN)**

Application

**EP 99121398 A 19991027**

Priority

IT VC980016 A 19981106

Abstract (en)

An apparatus 10 for automatically effecting the change of the cones for feeding the weft yarn 12 to a textile machine 14 such as, for instance, a loom or a warper, comprising a rotating magazine 21 on which the various cones of weft yarn are loaded, a known yarn feeding device 22 adjacent to the machine 14, and an intermediate assembly 23, arranged between the magazine 21 and the feeding device 22, for effecting the cutting and the knotting of the weft yarn 12 during the change of the cones. Upon attainment of the predetermined length for the fabric manufactured by the machine 14 and at the consequent stop of the latter, a control assembly 24 of the apparatus 10 actuates successively the cut of the weft yarn 12 by means of the intermediate assembly 23, the rotation of the magazine 21 for removing an old cone 11a and arranging a new cone 11c in place of the old cone 11a near the intermediate assembly 23, and the activation of said assembly for re-establishing the continuity of the yarn 12 to be fed to the loom 14, by knotting the end of the yarn coming from the new cone 11c with the end of the yarn previously cut and positioned on the side of the feeding device 22. The apparatus 10 allows to change the cones for feeding the weft yarn 12 in a completely automatic way, without requiring any overseeing by an operator. Besides the normal weaving production, the apparatus 10 is particularly advantageous and useful in the manufacturing of fabric samples, allowing to change quickly, and without any manual intervention, the cones for feeding the yarn on the basis of the specific pattern of the various fabric samples. <IMAGE>

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