

Title (en)

Warping machine having knot aligning device

Title (de)

Wickelmaschine mit einer Vorrichtung zum Ausrichten von Knoten

Title (fr)

Ourdisseur avec un dispositif pour aligner des noeuds

Publication

**EP 1510605 A2 20050302 (EN)**

Application

**EP 04018015 A 20040729**

Priority

JP 2003294848 A 20030819

Abstract (en)

The present invention provides a warping machine having a knot aligning device that can set yarns from a large number of yarn supplying packages at mutually consistent respective winding start positions, each of the yarn supplying packages being obtained by tying predetermined lengths of yarns of various colors or types together and then winding the resulting yarn into the yarn supplying package, in association with small lot machining in many kind production or the manufacture of sample fabrics. When yarns Y are drawn out from a large number of yarn supplying packages P and then wound around a beam 4, they are passed through a slit S that can be freely formed by paired rollers including a moving roller 1 and a fixed roller 2. When the yarns Y drawn out from the respective yarn supplying packages P are set at the mutually consistent respective winding start positions, a slit S is formed which is wider than the thickness of each yarn Y but is narrower than the thickness of a knot YN in the yarn Y. When the aligned yarns Y are taken up all together, the moving roller 1 is separated from the fixed roller 2 to open the slit S. <IMAGE>

IPC 1-7

**D02H 5/00**; **D02H 13/00**

IPC 8 full level

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