

Title (en)

Device for unwinding yarn from package

Title (de)

Vorrichtung zum Abspulen von Garn von einer Spule

Title (fr)

Dispositif pour dérouler un fil d'une bobine

Publication

**EP 1686085 B1 20160302 (EN)**

Application

**EP 05027792 A 20051219**

Priority

JP 2005025420 A 20050201

Abstract (en)

[origin: EP1686085A1] When an unwinding device based on a friction roller system is used to unwind a yarn from a package while applying unwinding tension to the package, the package may collapse at the opposite ends of the package, resulting in inappropriate unwinding. An unwinding device includes a friction roller 3 that contacts with a peripheral surface of a winding package 1 to rotate the package 1 and a yarn guide roller 4 that guides an elastic yarn 5 unwound and drawn out from the package 1 in the radial direction of the package as a result of rotation of the friction roller 3. A friction belt 11 is provided on an axial part of the friction roller 3 so that the friction roller 3 contacts with only a central portion 1b of the package 1 which is located inside opposite axial ends 1a, 1a of the package 1 and which has a substantially fixed outer diameter, and the friction belt 11 has a larger diameter than a cylinder 10 and is located radially outside the cylinder 10 (Fig. 2).

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