

Title (en)  
Elastic-yarn package and take-up winder for elastic yarn

Title (de)  
Elastisches-Garn Wickel und Aufwickelmaschine für elastische Garne

Title (fr)  
Paquet de fil textile élastique et bobinoir pour fils textiles élastiques

Publication  
**EP 1129976 A3 20021113 (EN)**

Application  
**EP 01104197 A 20010221**

Priority  
JP 2000055717 A 20000301

Abstract (en)  
[origin: EP1129976A2] In a take-up winder for elastic yarn, a yarn moved to a bobbin end due to a yarn transferring operation forms a bunch winding at the bobbin end of a full package. The number of windings in the bunch winding, however, may be insufficient. Additionally, the mere formation of the bunch winding makes it difficult to pick up a yarn end from the package during a subsequent step. An end of an elastic yarn Y wound into a yarn layer P of a package falls from the yarn layer P onto a position of a bobbin Bf which is separate from a yarn layer-formed position, and the yarn end is wound around the bobbin Bf three or more times to form an elastic-yarn package. Additionally, the end of the elastic yarn Y wound into the yarn layer P of the package falls from the yarn layer onto the position of the bobbin which is separate from the yarn layer-formed position, and the yarn end is then wound on the bobbin once or more and adheres to an end surface Pa of the yarn layer, thereby forming an elastic-yarn package.  
<IMAGE>

IPC 1-7  
**B65H 65/00**; **B65H 54/34**

IPC 8 full level  
**B65H 54/34** (2006.01); **B65H 55/00** (2006.01); **B65H 65/00** (2006.01); **B65H 67/048** (2006.01); **D01D 7/00** (2006.01)

CPC (source: EP)  
**B65H 54/346** (2013.01); **B65H 65/005** (2013.01); **B65H 2701/319** (2013.01)

Citation (search report)  
• [Y] US 5393002 A 19950228 - GREIS DIETMAR [DE], et al  
• [YA] EP 0847952 A1 19980617 - MURATA MACHINERY LTD [JP]  
• [A] EP 0927695 A2 19990707 - MURATA MACHINERY LTD [JP]  
• [A] DE 1760243 A1 19711209 - PALITEX PROJECT CO GMBH  
• [A] US 5133514 A 19920728 - INOUE KAZUYUKI [JP]  
• [A] DE 19845842 A1 19990422 - TEIJIN SEIKI CO LTD [JP]

Cited by  
EP3140440B1; EP3645438B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1129976 A2 20010905**; **EP 1129976 A3 20021113**; **EP 1129976 B1 20060607**; DE 60120253 D1 20060720; DE 60120253 T2 20070426; JP 2001240309 A 20010904; JP 4085548 B2 20080514

DOCDB simple family (application)  
**EP 01104197 A 20010221**; DE 60120253 T 20010221; JP 2000055717 A 20000301