

Title (en)

Yarn-transferring method in a take-up winder

Title (de)

Verfahren zur Uebergabe des Fadens in einer Spulmaschine

Title (fr)

Méthode de transfert du fil pour un bobinoir

Publication

EP 0875480 B1 20040630 (EN)

Application

EP 98107729 A 19980428

Priority

- JP 11227697 A 19970430
- JP 11227797 A 19970430

Abstract (en)

[origin: EP0875480A1] To provide a take-up winder and related yarn-transferring method that can improve the success rate of yarn-transferring from a full bobbin to an empty bobbin without damaging the yarn during transferring. The present invention has a switching operation that switches two bobbin holders 15 and 16 between a winding position (a) and a standby position (b), and provides a yarn path restraining guide 21 that controls the angle at which a travelling yarn Y leading to a full bobbin FB contacts a empty bobbin EB when the travelling yarn Y is transferred to the empty bobbin EB in response to the swithcing operation. The yarn path restraining guide 21 is controlled in such a way that the contact angle from the contact of the travelling yarn Y with the empty bobbin EB until the yarn-transferring operation is maintained smaller than the contact angle during yarn-transferring. <IMAGE>

IPC 1-7

B65H 67/048

IPC 8 full level

B65H 54/52 (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR)

B65H 54/52 (2013.01 - KR); **B65H 67/048** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0875480 A1 19981104; **EP 0875480 B1 20040630**; CN 1160240 C 20040804; CN 1197760 A 19981104; DE 69824787 D1 20040805; DE 69824787 T2 20050825; KR 100396190 B1 20040630; KR 100424985 B1 20040327; KR 19980081862 A 19981125; TW 425369 B 20010311

DOCDB simple family (application)

EP 98107729 A 19980428; CN 98101739 A 19980427; DE 69824787 T 19980428; KR 19980015513 A 19980430; KR 20030005869 A 20030129; TW 87101786 A 19980210