

Title (en)

Method of cutting yarn during doffing in spinning machine

Title (de)

Verfahren zum Durchschneiden von Fäden beim Abziehen von Spulen an einer Spinnmaschine

Title (fr)

Méthode pour couper des fils pendant l'enlèvement dans un métier à filer

Publication

EP 1477596 A3 20051109 (EN)

Application

EP 04009105 A 20040416

Priority

JP 2003134871 A 20030513

Abstract (en)

[origin: EP1477596A2] A tail yarn cutting member (23) is provided so as to be capable of ascending and descending along a blade. A spindle is stopped, with a roll or less of yarn wound at a position not higher than the portion where the tail yarn cutting member (23) is in contact with a spindle base portion (22b). Halfway through the pulling up of cop (38) by a bobbin grasping device of a doffing device, yarn Y connected from the cop (38) to a traveler is guided to a position between the tail yarn cutting member (23) and the spindle base portion (22b). Thereafter, the tail yarn cutting member (23) is detached from the cop (38) and lowered to grasp the yarn Y between the tail cutting member (23) and the spindle base portion (22b). Next, the spindle (4) is rotated to attain a state in which an oblique winding formed on the cop extends straight from the top portion of the cop to the grasping position, and then the cop is raised by the bobbin grasping device, enabling the yarn Y to be reliably cut by a cutter portion. <IMAGE>

IPC 1-7

D01H 9/16

IPC 8 full level

D01H 1/02 (2006.01); **D01H 1/38** (2006.01); **D01H 9/04** (2006.01); **D01H 9/16** (2006.01)

CPC (source: EP)

D01H 1/38 (2013.01); **D01H 9/16** (2013.01)

Citation (search report)

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CN113604915A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1477596 A2 20041117; **EP 1477596 A3 20051109**; **EP 1477596 B1 20081217**; CN 100335696 C 20070905; CN 1550585 A 20041201; DE 602004018422 D1 20090129; JP 2004339621 A 20041202; JP 4001052 B2 20071031

DOCDB simple family (application)

EP 04009105 A 20040416; CN 200410044590 A 20040512; DE 602004018422 T 20040416; JP 2003134871 A 20030513