

Title (en)

Tail yarn cutting device for spinning machine

Title (de)

Fadenendeschneidvorrichtung für Spinnmaschinen

Title (fr)

Dispositif pour couper l'extrémité d'un fil pour des métiers à filer

Publication

EP 1477597 A3 20051109 (EN)

Application

EP 04009106 A 20040416

Priority

JP 2003134870 A 20030513

Abstract (en)

[origin: EP1477597A2] Disclosed is a tail yarn cutting device for a spinning machine in which a tail yarn cutting member is provided on a blade so as to be capable of ascending and descending, with the tail yarn cutting member being constantly urged toward a spindle base by a coil spring. The tail yarn cutting member and the spindle base portion are equipped with a plurality of protrusions and recesses capable of being engaged with each other. In a state in which a roll or less of yarn is wound at a position somewhat below the portion where the tail yarn cutting member and the spindle base portion are in contact with each other, cop is pulled up by a doffing device, and the tail yarn cutting member is raised together with the cop halfway through the pulling-up, the yarn connected from the cop to a traveler being guided to a position between the tail yarn cutting member and the spindle base portion. Thereafter, the yarn is grasped between the tail yarn cutting member detached from the cop and the spindle base portion 5b, and the yarn is cut by a cutter portion. <IMAGE> <IMAGE>

IPC 1-7

D01H 9/16

IPC 8 full level

B65H 54/71 (2006.01); **D01H 1/38** (2006.01); **D01H 9/16** (2006.01)

CPC (source: EP KR)

B26B 5/002 (2013.01 - KR); **D01H 1/38** (2013.01 - EP); **D01H 9/16** (2013.01 - EP)

Citation (search report)

- [DXY] EP 1213381 A2 20020612 - TOYOTA JIDOSHOKKI KK [JP]
- [DY] DE 19755971 A1 19981112 - RIETER AG MASCHF [CH]
- [A] US 6085511 A 20000711 - DINKELMANN FRIEDRICH [DE], et al

Cited by

CN105401271A; CN102704060A; EP2133452A1

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 1477597 A2 20041117; **EP 1477597 A3 20051109**; **EP 1477597 B1 20121226**; CN 100537861 C 20090909; CN 1550583 A 20041201; JP 2004339620 A 20041202; JP 4007249 B2 20071114; KR 100610142 B1 20060809; KR 20040098503 A 20041120; TW 200424377 A 20041116; TW I242059 B 20051021

DOCDB simple family (application)

EP 04009106 A 20040416; CN 200410043179 A 20040513; JP 2003134870 A 20030513; KR 20040001545 A 20040109; TW 93108600 A 20040330