

Title (en)  
WETTING DEVICE AND SPINNING INSTALLATION COMPRISING A WETTING DEVICE

Title (de)  
BENETZUNGSEINRICHTUNG UND SPINNANLAGE MIT BENETZUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE MOUILLAGE ET INSTALLATION DE FILAGE EQUIPEE DE CE DISPOSITIF

Publication  
**EP 1511886 A1 20050309 (DE)**

Application  
**EP 03755084 A 20030320**

Priority  
• DE 10223268 A 20020524  
• EP 0302946 W 20030320

Abstract (en)  
[origin: US2006055078A1] The invention relates to a wetting device ( 9 ) for installation in a spinning system ( 1 ) for the manufacture of spinning threads ( 6 ) from a spinning solution containing water, cellulose and tertiary amine oxide, a retrofitting kit with such a wetting device and a spinning system fitted with such a wetting device. The wetting device is provided with a supply line ( 13 ) for a treatment medium ( 8 ). The wetting devices known from the state of the art are designed as containers with a bath for the treatment medium or as overflow containers. These designs have the disadvantage that the efficiency of the spinning process due to the dipping process of the spinning threads in the treatment medium is limited and a large quantity of treatment medium must be circulated. To avoid these disadvantages, according to the invention the wetting device ( 9 ) is arranged in the installed state between the spinning threads ( 6 ) and the supply line ( 13 ) and a guide wall ( 12 ) with a wetting region ( 14 ) permeable at least in sections to the treatment medium. The spinning threads ( 6 ) can be passed along the wetting region in the installed state of the wetting device and wetted by the treatment medium.

IPC 1-7  
**D01D 5/06**; **D01F 2/00**

IPC 8 full level  
**D01D 5/06** (2006.01); **D01F 2/00** (2006.01)

CPC (source: EP KR US)  
**D01D 5/06** (2013.01 - EP KR US); **D01D 5/14** (2013.01 - KR); **D01F 2/00** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 03100140A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2006055078 A1 20060316**; AT E368139 T1 20070815; AU 2003226683 A1 20031212; BR 0311294 A 20050222; CN 1329564 C 20070801; CN 1656259 A 20050817; DE 10223268 A1 20030116; DE 10223268 B4 20060601; DE 50307771 D1 20070906; EP 1511886 A1 20050309; EP 1511886 B1 20070725; KR 100686322 B1 20070222; KR 20050016433 A 20050221; TW 200404925 A 20040401; TW I237071 B 20050801; WO 03100140 A1 20031204; ZA 200409443 B 20060628

DOCDB simple family (application)  
**US 51588005 A 20050516**; AT 03755084 T 20030320; AU 2003226683 A 20030320; BR 0311294 A 20030320; CN 03811915 A 20030320; DE 10223268 A 20020524; DE 50307771 T 20030320; EP 0302946 W 20030320; EP 03755084 A 20030320; KR 20047019013 A 20041124; TW 92112957 A 20030513; ZA 200409443 A 20041123