

Title (en)

Apparatus for removing thread remnants from bobbins

Title (de)

Vorrichtung zum Entfernen von auf Hülsen befindlichen Fadenbestandteilen

Title (fr)

Dispositif pour enlever des restes de fil textile de bobines

Publication

EP 1074502 B1 20040407 (DE)

Application

EP 99114226 A 19990727

Priority

EP 99114226 A 19990727

Abstract (en)

[origin: EP1074502A1] The liquid consists of water and the jet hits the tube surface at different points. The associated installation features nozzles (110), which are supplied with water through hoses (115) and are positioned on a joint rod (120). The rod (120) is mounted shiftably on two guide rails (128) via two guide bodies (125).

IPC 1-7

B65H 73/00

IPC 8 full level

D01H 11/00 (2006.01); **B65H 73/00** (2006.01)

CPC (source: EP KR US)

B65H 73/00 (2013.01 - EP US); **D01H 11/00** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP US)

Citation (examination)

WO 0064796 A1 20001102 - EUROVER [BE], et al

Cited by

CN106081740A; DE202021101953U1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1074502 A1 20010207; **EP 1074502 B1 20040407**; AT E263730 T1 20040415; DE 59909122 D1 20040513; KR 20010066964 A 20010711; MX PA00007366 A 20050620; US 6470543 B1 20021029

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