

Title (en)

IMPROVED SPINDLE FOR AUTOMATIC SPINNING FRAMES OR TWISTING FRAMES

Publication

EP 0278561 B1 19910508 (EN)

Application

EP 88200177 A 19880203

Priority

IT 1936587 A 19870213

Abstract (en)

[origin: EP0278561A1] Improved spindle for spinning frames or twisting frames comprising a tube-holder ring nut, provided at its top with one or more rims (8, 9) with notches (10,11), inside which a vertical sharp blade (12) is positioned, which cuts the thread (13) when the bobbin (2) undergoes the doffing.

IPC 1-7

D01H 1/38

IPC 8 full level

D01H 1/38 (2006.01)

CPC (source: EP)

D01H 1/38 (2013.01)

Cited by

DE19755972B4; CN100335696C; EP1477596A3; EP0649924A1; US5562268A; DE4015707A1; EP0458088A1; DE102006021168A1; DE102006021168B4; CZ306471B6

Designated contracting state (EPC)

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EP 0278561 A1 19880817; EP 0278561 B1 19910508; DE 3862648 D1 19910613; ES 2023247 B3 19920101; GR 3002002 T3 19921230; IT 1208008 B 19890601; IT 8719365 A0 19870213

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EP 88200177 A 19880203; DE 3862648 T 19880203; ES 88200177 T 19880203; GR 910400675 T 19910524; IT 1936587 A 19870213