

Title (en)

DEVICE FOR THE EXCHANGE OF BOBBINS AND TUBES FOR A SPINNING LINE

Title (de)

VORRICHTUNG ZUM WECHSELN VON SPULEN UND HÜLSEN FÜR EINE SPINNANLAGE

Title (fr)

DISPOSITIF D'ÉCHANGE DE BOBINES ET DE TUBES POUR UNE LIGNE DE FILAGE

Publication

EP 3470561 A1 20190417 (EN)

Application

EP 18199456 A 20181009

Priority

IT 201700116289 A 20171016

Abstract (en)

A tubes (12, 14)/bobbins (10) exchange device of a spinning line comprises a peg carrier group (100) rotatable and vertically movable, carrying pegs (84a, 84b) for supporting the bobbins (10) and the tubes (12, 14) radially movable. The pegs (84a, 84b) are spreadable so that the limit distance between said pegs (84a, 84b) in a first angular position, for example of cooperation with the spinning frame side transport device (26) is different from the limit distance between said pegs (84a, 84b) in a second angular position, for example of cooperation with the roving frame side transport device (22).

IPC 8 full level

D01H 9/18 (2006.01); **B65H 67/06** (2006.01)

CPC (source: CN EP)

B65H 67/06 (2013.01 - EP); **D01H 9/04** (2013.01 - CN); **D01H 9/18** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)

- WO 2016083944 A1 20160602 - MARZOLI MACHINES TEXTILE SRL [IT]
- IT 201700037751 A 20170406

Citation (search report)

- [YD] WO 2016083944 A1 20160602 - MARZOLI MACHINES TEXTILE SRL [IT]
- [Y] EP 0259267 A2 19880309 - HOWA MACHINERY LTD [JP]
- [A] EP 0855456 A2 19980729 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [A] JP H1121020 A 19990126 - TOYODA AUTOMATIC LOOM WORKS
- [A] US 5715669 A 19980210 - HASEGAWA TOSHINORI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3470561 A1 20190417; **EP 3470561 B1 20220323**; CN 109666997 A 20190423; CN 109666997 B 20220624; ES 2916423 T3 20220701; IT 201700116289 A1 20190416; JP 2019073843 A 20190516; JP 7245023 B2 20230323

DOCDB simple family (application)

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