

Title (en)
AUTOMATIC BOBBIN REPLACING DEVICE, ROTOR SPINNING MACHINE USING THE SAME, AND BOBBIN REPLACING METHOD THEREOF

Title (de)
AUTOMATISCHE SPULENAUSTAUSCHVORRICHTUNG, ROTORSPINNMASCHINE DAMIT UND SPULENAUSTAUSCHVERFAHREN DAFÜR

Title (fr)
DISPOSITIF DE REMPLACEMENT AUTOMATIQUE DE BOBINE, MACHINE À FILER À ROTOR L'UTILISANT ET SON PROCÉDÉ DE REMPLACEMENT DE BOBINE

Publication
EP 3611121 A1 20200219 (EN)

Application
EP 19192002 A 20190816

Priority
CN 201810937795 A 20180817

Abstract (en)
The present invention provides a bobbin replacing device, a rotor spinning machine using the same, and a bobbin replacing method thereof. The bobbin replacing device includes a bobbin holder for storing an empty bobbin and a driving mechanism capable of driving the bobbin holder to move to a predetermined position. In the spinning machining using the bobbin replacing device, when the bobbin does not need to be changed, the bobbin holder locates at a first position; when the bobbin needs to be changed, the bobbin holder is driven by the driving mechanism to move to a predetermined second position, and the bobbin on the bobbin holder arrives at a predetermined position; the driving mechanism drives the bobbin holder to return to an original position, thereby achieving an automatic bobbin replacement and reducing the worker's labor intensity.

IPC 8 full level
B65H 67/04 (2006.01)

CPC (source: CN EP)
B65H 67/0405 (2013.01 - EP); **B65H 67/0411** (2013.01 - CN); **B65H 67/0417** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN)

Citation (search report)
• [X1] DE 2915533 A1 19791025 - ELITEX ZAVODY TEXTILNIHO
• [XA1] US 3901456 A 19750826 - PRADIER RENE
• [X1] EP 0919505 A1 19990602 - WALMAR ESTABLISHMENT [LI]
• [A] GB 2179066 A 19870225 - RIETER AG MASCHF

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 3611121 A1 20200219; CN 108892003 A 20181127

DOCDB simple family (application)
EP 19192002 A 20190816; CN 201810937795 A 20180817