

Title (en)

AN AUXILIARY DEVICE FOR ASSISTING IN BOBBIN CHANGE

Title (de)

HILFSVORRICHTUNG ZUR UNTERSTÜTZUNG BEIM SPULENWECHSEL

Title (fr)

DISPOSITIF AUXILIAIRE POUR AIDER AU CHANGEMENT DE BOBINE

Publication

**EP 4261168 A1 20231018 (EN)**

Application

**EP 23167353 A 20230411**

Priority

CN 202220881803 U 20220415

Abstract (en)

Auxiliary device (1) for assisting bobbin change, comprising a cutting mechanism (13), a suction mechanism (14) and a negative pressure generator, wherein, the suction mechanism (14) is provided in a rotatable manner driven by a drive (21), and the suction mechanism (14) has a suction tube (11) for gas passage, wherein, the suction tube (11) has a vertical portion (9) and a transversal portion (8) at an angle to the vertical portion (9), and the drive (21) is of inner rotor type, the vertical portion (9) is arranged on an inner rotor (12) of the drive. In this technical solution, the rotation of the vertical portion (9) is achieved without use of gearing. The vertical portion (9) is mounted directly on the rotor (12) and moves with rotor rotation. At the same time, the vertical portion (9) of the suction tube can still be used to pass through a negative airflow in order to achieve suction of yarn ends produced during doffing.

IPC 8 full level

**B65H 54/74** (2006.01); **B65H 54/88** (2006.01)

CPC (source: EP)

**B65H 54/74** (2013.01); **B65H 54/88** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

CN 108861865 A 20181123 - OERLIKON TEXTILE GMBH & CO KG

Citation (search report)

- [AD] CN 108861865 A 20181123 - OERLIKON TEXTILE GMBH & CO KG
- [A] WO 2017178312 A1 20171019 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] US 4153212 A 19790508 - BAUCH ERNST, 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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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